

# HA800 and HA800 G2 Service Pack for Hitachi Vantara Release Notes v6.94

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## About this document

This document (RN-90HAS8028-07, August 2025) provides late-breaking information about Service Pack for Hitachi Vantara (SPV) 6.94 for HA800 and HA800 G2 Series servers. It includes information about the server, controller, storage firmware, drivers, and utility packages that were not available at the time the technical documentation for this product was published, as well as a list of known problems and solutions.

## Intended audience

This document is intended for customers and Hitachi Vantara partners who license and use HA800 and HA800 G2 Series servers.

# Getting help

[Hitachi Vantara Support Connect](https://support.hitachivantara.com/en-us/contact-us.html) is the destination for technical support of products and solutions sold by Hitachi Vantara. To contact technical support, log on to Hitachi Vantara Support Connect for contact information:

<https://support.hitachivantara.com/en-us/contact-us.html>.

[Hitachi Vantara Community](https://community.hitachivantara.com) is a global online community for customers, partners, independent software vendors, employees, and prospects. It is the destination to get answers, discover insights, and make connections. **Join the conversation today!** Go to [community.hitachivantara.com](https://community.hitachivantara.com), register, and complete your profile.

# Accessing product documentation

Product user documentation is available on the Hitachi Vantara Support Website: <https://knowledge.hitachivantara.com/Documents>. Check this site for the most current documentation, including important updates that may have been made after the release of the product.

# Accessing product downloads

Product software, drivers, and firmware downloads are available on the Hitachi Vantara Support Website: <https://support.hitachivantara.com/>.

Log in and select Product Downloads to access the most current downloads, including important updates that may have been made after the release of the product.

# About this release

This release is the initial release of Service Pack for Hitachi Vantara (SPV) for HA800 and HA800 G2 servers.

# Document history

Revision	Description
RN-90HAS8028-07	Initial Release

## About Service Pack for Hitachi Vantara (SPV)

The Service Pack for Hitachi Vantara (SPV) is a comprehensive systems software and firmware update solution delivered as a single ISO image. This solution uses Smart Update Manager (SUM) as the deployment tool, and it has been tested on all HA800 and HA800 G2 Series servers.

The SPV contains server, controller, storage firmware, drivers, and utility packages. In addition, SPV has been incorporated into SUM, which is the recommended tool to deploy the updated firmware and system software. This integration enables faster online updates of firmware and system software to individual HA800 and HA800 G2 Series servers, thus reducing the overall system update time.

SPV will be released regularly. We recommend updating with the latest version of SPV.

## Supported Server Models

This release of SPV supports the following systems.

- Hitachi Advanced Server HA810 (U32)
- Hitachi Advanced Server HA820 (U30)
- Hitachi Advanced Server HA810 G2 (U46)
- Hitachi Advanced Server HA820 G2 (U46)

## Supported Operating Systems

The following operating systems are supported by system software and firmware.

- Microsoft® Windows Server® 2025
- Microsoft® Windows Server® 2022

- Microsoft® Windows Server® 2019
- Red Hat® Enterprise Linux® Server 9.4
- Red Hat® Enterprise Linux® Server 8.10
- VMware ESX™ 9.0
- VMware ESXi™ 8.0

## Changes

### New support content

#### Additional support model

None

#### Additional support OS

- Red Hat® Enterprise Linux® Server 9.4
- Red Hat® Enterprise Linux® Server 8.10
- VMware ESX™ 9.0

#### Additional support device

None

#### Removed support model

None

#### Removed support OS

- Red Hat® Enterprise Linux® Server 8.9
- VMware ESX™ 7.0

### Update contents

See "Package changes"

# Precautions

## Application of drivers and utilities

The latest drivers, firmware, utilities, and so on, are provided on the Hitachi Vantara Support Website.

It is the user's responsibility to apply each update program. And to ensure stable use of the system equipment, we recommend that users regularly access the website to update the latest driver, firmware, and utility.

## OS installation and re-installation

When applying the SPV for the first time when installing or re-installing an OS, exclude the firmware component and install the driver and utility component first. That will install the appropriate drivers and utilities for device detection and firmware updates. After installing the driver or utility, restart the OS and rerun SUM to update the firmware.

To exclude firmware components in SUM and to specify the installation of driver or utility components only, do the following:

- GUI
  - a) Start SUM
  - b) On the "Deployment summary" screen, open [Actions]-[Advanced Options].,
  - c) Select "Upgrade Software" in the "Installation Options" and click Ok.
- CLI

Use “—softwareonly” parameters.

Example: `./smart update --s -- softwareonly`

## Updating firmware and drivers with SUM

### Firmware and driver dependencies

The firmware or driver to be updated may have a dependency, and it may not be possible to update all by running SUM only once. Therefore, after updating SUM, verify that all the packages to be updated have been updated. If there are packages that have not been updated, run SUM again. You can verify if all the packages are updated by following the steps below.

- GUI

Start SUM, and on the " Deployment Summary " screen, verify that the "Recommended Components" number display is "0" .

- CLI

Create a report using the "--report" parameter and see the created report. The report output destination is displayed on the screen. Please refer to the report and confirm that the "Install Needed" item is "0".

Example: #./smartupdate --report

## Applicable firmware and driver versions

When updating with SUM, the versions automatically selected as the application target are the newly installed ones, or the SPV contained version is newer than the applied version.

It is recommended to use the network adapter and Fibre Channel host bus adapter in combination with the firmware and driver recorded in SPV. If the applied version is newer than the SPV contained version, the corresponding component will not be automatically selected. In this case, manually select and apply the target component according to the following procedure.

- Applying the firmware and driver version manually

Start SUM, and then on the "Deployment summary" screen verify that the component "Component selection status" is displayed as "Selected (\*)".

For network adapter firmware or Fibre Channel host bus adapter firmware, select the component (\*), and then click "Deploy".

(\*): When a component is selected, the "component selection status" is displayed as "selected" or "forced".

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**Note:** Depending on the device, a separate advisory may be issued regarding the applicable version. Refer to the advisory when applying the firmware.

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## Deployment mode of SUM

SUM has several update methods (deployment mode). The target OS or update target differs depending on the deployment mode, See the following table to determine the deployment mode.

SUM deployment mode		Deployment target OS(*1)			Update target		Usage for ISO image	
		Windows	RHEL	VMware	Firmware	Software (Drivers, Utilities, etc)	File(*4)	Media (*5)
Online	Local	<input type="radio"/>	<input type="radio"/>	—	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
	Remote(*2) (Through the OS Update)	<input type="radio"/>	<input type="radio"/>	—	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
	Remote(*3) (iLO repository update)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Off-Line		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	—	—	<input type="radio"/>

\* 1: Guest OS is not applicable.

\* 2: When the IP address of the host OS is specified for the target node.

\* 3: When the iLO address of the host OS is specified for the target node. It is necessary to install and set iSUT and AMS on the host OS of the target node.

\* 4:ISO image that is downloaded or copied on any storage device.

\* 5: Any media that ISO image is installed such as DVD/USB flash drive.

## Selecting applicable packages in SUM GUI

When using the SUM GUI, a confirmation screen for the package to be deployed appears after the inventory is completed.

In the confirmation screen, the packages applicable to the target device are displayed among the update packages included in the selected SPV / baseline. The recommended package (newer than the current version) is automatically selected as the deployment target.

The lined background is inverted for the selected package, and the "Selected" button is displayed. Click the button to deselect it and display the "Select" button. Packages that are not automatically selected can be forcibly applied by clicking the "Forced" button. (If

you select Forced, the line background will be highlighted and displayed with the "Forced" button.)

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**Note:** It is recommended to use the latest firmware, drivers, and utilities particularly, when the packages are applied forcibly. In this case, the version is downgraded if the selected version is old. Do not downgrade the version inadvertently.

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## OS library dependency of applicable package in Linux environment

Some packages used in the Linux environment assume a specific OS library. When applying the package, if the prerequisite OS library is not installed in advance, a dependency error will occur after the inventory or the deployment is completed.

If an error occurs, install the file or library indicated as a dependent file, and then apply SPV again.

In addition, depending on the OS library, a new dependency may occur after the dependency is resolved. In that case, it is necessary to repeat the application of SPV until the dependency error is resolved.

## Update using iLO repository

Depending on the format of the component, the component will be deployed via iLO using the iLO repository. Components uploaded to the iLO repository are added to the installation queue and rolled out sequentially. If a deployment error occurs in a component that is being added to the queue, the subsequent components will be put on hold for deployment. If the component in that state exists in the queue, it can no longer be updated using the iLO repository.

In this case, remove all the remaining components in the installation queue and apply SPV again.

## Action on inventory failure when using SUM

SUM software collects device and software information that need to be updated via iLO. Depending on iLO status, SUM may not collect the information. Please try the following procedure if you try it again and the failure is not solved.

1) Try iLO reset. Please refer to "iLO5 x.xx\* user guide".

2)In the case of an online update, please reboot the system.

3)Please remove AC power cord from the system and wait for 10 seconds, and then plug in the AC power cord again.

\*Indicate any version

## Create SPV media that is over DVD capacity

SPV iso image that is over 7.9GB cannot be created as bootable media that is needed for SUM offline deployment mode since the image cannot fit into DVD Dual-Layer media. In that case, bootable USB flash drive (USB key) can be created by using USB key Utility that is included in SPV. The following is procedure how to create USB key.

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**Note:** 32bit OS cannot be supported. Max 32GB USB flash drive is needed. USB flash drive that is larger than ISO image is needed. Need to have a backup from the USB flash drive before creating the key since all data that is on USB flash drive is deleted.

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### Creating a bootable USB key

(1)Mount SPV ISO image on your Windows PC.Click "usbkey.exe" in the "<Mount drive>:\usb\usbkey"folder.

(2)Click "Next" button when the USB Key Utility splash screen (Startup screen) is displayed.

(3)After confirming the "End User License Agreement", check "Agree" and click "Next" button.

(4)Select "Create a bootable USB key from CD/DVD" and click "Next" button.

(5)Follow the on-screen instructions to place the USB flash drive for creating a USB key into an available USB port on your PC, and click "Next" button.

(6) Select the media as shown below and click "Next".

In "Choose the source of the CD/DVD", check "Browse for ISO File" and choose the target SPV iso image file to write to the USB flash drive.

□ Select the placed USB flash drive in “Select drive letter of the target drive key”. (If you can't find the target drive, click "Rescan Target". If it still doesn't appear after rescanning, place another USB flash drive.)

(7) Check "Next" button on the warning message screen. (The USB flash drive is formatted and the source contents are copied to the USB flash drive.)

(8) Click "Finish" button after the message that the creation was successful is displayed.

## Automatic Server Recovery (ASR)

Automatic Server Recovery (ASR) is a function that automatically restarts the server to recover the system when a fatal OS error occurs, such as a blue screen. You can enable ASR by installing the OS using IP, applying SPV, or installing the ASR driver by other methods.

Disable ASR if you do not need it or if you want to use other OS alive monitoring such as Alive Monitor or IPMI WDT.

### Obtaining PowerShell scripts for ASR operations

Use the PowerShell script included in the ASR driver package to verify and to enable or disable ASR. To get the PowerShell script, do the following:

#### Unpack the ASR driver package.

1) From the files under the SPV packages directory, run the file listed in the "Package filename" column of "Driver --System Management" (corresponding to each OS version in the following table).

Package setup starts.

2) Select Unzip and extract the package to any directory.

No.	Windows Version	Description
1	Windows Server 2019	iLO 5 Automatic Server Recovery Driver for Windows Server 2016 and 2019
2	Windows Server 2022	iLO 5 Automatic Server Recovery Driver for Microsoft Windows Server 2022

3	Windows Server 2025	iLO 5 Automatic Server Recovery Driver for Microsoft Windows Server 2025
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### **Check the PowerShell script**

Make sure that the following three PowerShell scripts are included under the scripts directory in the extracted package. Get-AsrSettings.ps1, Set-AsrPreTimeoutNMI.ps1, and Set-AsrTimeout.ps1.

Copy it to any directory if required.

## **Checking ASR**

To verify ASR status, run Get-AsrSettings.ps1 from PowerShell command on Windows. If TimeoutInMinutes is 0 or the command results in error, ASR is disabled.

## **Disabling ASR**

To disable ASR, run Set-AsrTimeout.ps1 command from Windows PowerShell with the following option.

```
Set-AsrTimeout.ps1 -Disable
```

## **Enabling ASR**

To enable ASR, run Set-AsrTimeout.ps1 command from Windows PowerShell with the following option.

```
Set-AsrTimeout.ps1 -Default
```

## **Updating the driver**

If you update the network adapter driver, the setting values may be initialized after the driver update. Note the setting value before updating the driver, and then reset it after updating.

# Using VMware

## Applying firmware

To keep the system unit stable, you must apply the firmware that matches the VMware version.

- When applying the firmware in the VMware environment, you can use SUM's remote online deployment mode or offline deployment mode. Remote online deployment mode

In this mode, you can update the driver and the firmware. It is necessary to install "iSUT" and set settings in the ESXi host in advance. If "iSUT" is not installed, install it according to the procedure described in "Installing iSUT". For the ESXi host, make the following settings before updating it.

- 1) Set the ESXi host to maintenance mode while updating the firmware or driver.
  - 2) When adding an ESXi host as a node, add the iLO of the system unit as the target node (specify the IP address of iLO for the IP address of the node and select iLO for the node type).
  - 3) Restart VMware ESXi for the firmware or driver update to take effect. If you want it to restart automatically after the update, use the restart option.
- Remote offline deployment mode  
Install the media containing the SPV ISO image on the server and boot the server from the media.

## iSUT installation

Install iSUT on the ESXi host to use SPV and SUM to update firmware and drivers for the VMware system. After installing iSUT, you can update the firmware and drivers of the ESXi host from a remote PC using SUM's "remote online" deployment mode.

To install iSUT on an ESXi host, do the following:

The data store name is "datastore1" in the following installation procedure...

- 1) The SUT is located in the SPV's package directory. Extract the zip file shown in the table below and extract the iSUT offline bundle (sut-esxi \*. \*-Bundle-\*. \*. \*-\*\*. Zip).

No	VMware version	SPV package file name	Offline bundle filename
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1	VMware ESXi™ 8.0	cp064330.zip	sutComponent:800.6.0.0.37-*.zip
2	VMware ESX™ 9.0		

- 2) Transfer the iSUT offline bundle directly under "datastore1" of VMware ESXi.
- 3) On the VMware ESXi console screen, press the "F2" key on the keyboard.  
The login screen appears.
- 4) Log in as the root user.  
The "System Customization" screen appears.
- 5) Select "Troubleshooting Options" and press the "Enter" key.
- 6) Select "Enable ESXi Shell" and press the "Enter" key to change the ESXi Shell to "Enable".
- 7) Press the "Alt" + "F1" keys to open the VMware ESXi Shell screen and log in as the root user.
- 8) Run the following command to install iSUT.  
`esxcli software vib install -d / vmfs / volumes / datastore1 / <transferred bundle file name>`
- 9) Restart VMware ESXi.
- 10) Open the VMware ESXi Shell screen again and log in as the root user.
- 11) Run the following command to set iSUT to AutoDeployReboot mode.  
`sut -set mode = autodeployreboot`
- 12) After finishing the work, change to OnDemand mode. When iSUT is set to AutoDeployReboot mode, iSUT is resident and always running. iSUT does not need to be operated except during update work, it is recommended to cancel the resident status. To set iSUT to OnDemand mode, run the following command.  
`sut -set mode=ondemand`

## Using iSUT on a device with the iLO security setting set to "High Security"

To use iSUT with iLO set to "High Security", only one of the two options must be performed.

- Authenticate information setting in iSUT.  
Run the following command on the VM host, to set the iLO credentials in iSUT:  
`sut -set ilusername = <username>`  
Provide the iLO password: <\*\*\*\*\*>
- Change the iLO security conditions.  
Set "Host Authentication Required" to "Disabled" in iLO.  
In the iLO Web screen, go to [Security]-[Access Settings] and set the "Host Authentication Required" setting in the iLO item to "Disabled".

## iSUT setting confirmation and changes

Execute “sut-status” on VMWare host, and confirm if iSUT setting is “EnableiLOQueuedUpdates=true”. If iSUT setting is “false”, execute the following command on VMWare host.

```
sut -set enableiloqueuedupdates=true
```

## Driver parameter reset information

If you update the VMware driver using this SPV, the native driver will be applied. If you use the VMKLinux driver in your VMware environment, the driver will be modified, and the driver parameters will be initialized. To avoid this problem, reset the driver parameters after updating the driver.

- Applicable products and driver types

Product name	Driver type	
	Before update (VMKLinux)	After update (Native)
Ethernet 10Gb 2-port FLR-T X550-AT2 Adapter Ethernet 10Gb 2-port BASE-T X550-AT2 Adapter	net-ixgbe	ixgben
Ethernet 1Gb 4-port FLR-T I350-T4V2 Adapter Ethernet 1Gb 2-port BASE-T I350-T2V2 Adapter Ethernet 1Gb 4-port BASE-T I350-T4V2 Adapter	igb	igbn
Ethernet 10Gb 2-port FLR-SFP+ X710-DA2 Adapter Ethernet 10Gb 2-port SFP+ X710-DA2 Adapter	i40e	i40en

- Resetting procedure

### 1) Confirmation and recording of driver parameters

Before updating the driver, run the following command and note the driver parameter values.

```
esxcfg-module -g <driver name>
```

<driver name>: Driver type before update

The set value is displayed in "yyyy" of "option ='yyyy'" in the following example, note the value. If the value is not displayed, the driver parameter is not set, and no further steps are required.

(Example) In case of net-ixgbe  
# esxcfg-module -g net-ixgbe  
net-ixgbe enabled = 1 options = 'yyyy'

If the following message is displayed, the net-ixgbe driver is unused, and no further steps are required.

(Example) In case of net-ixgbe  
# esxcfg-module -g net-ixgbe  
Unknown module name net-ixgbe

## 2) Reset driver parameters

Before updating the driver, run the following command and reset the driver parameters you noted.

```
esxcfg-module -s "yyyy" <driver name>  
yyyy: Driver parameters to be reserved  
<driver name>: Driver type before update
```

Specify the driver parameters that noted in "option ='yyyy'" in the following example.

(Example) In case of ixgben  
# esxcfg-module -s "yyyy" ixgben

## 3) Reboot VMware ESXi

Restart VMware ESXi for the changes to take effect.

## Using QLogic Fibre Channel host bus adapter

In the VMware environment, if you update to the driver included in the SPV while setting specific driver parameters for the QLogic Fibre Channel host bus adapter, the adapter will not be recognized.

If this scenario occurs with the adapter used for the SAN boot path, the OS will not boot, and restoration from backup will be required for recovery. Before updating the driver using this SPV, change the parameters in advance, and then update the driver.

By default, no parameters are set, and this phenomenon does not occur.

## Using remote online deployment mode

To use this mode, iLO must be connected to Agentless Management Service (AMS). If iLO is not connected to AMS, the software/driver package will not be added to the applicable components. To check the connection between iLO and AMS, open the System Information > Overview page of the iLO WEB interface and check the status of the Agentless Management Service for your subsystems and devices.

If iLO is not connected to AMS, follow the steps below and check the connection between iLO and AMS again.

- 1) System power off (ESXi host shutdown)
- 2) Connecting and disconnecting the power cable
- 3) System power ON (ESXi host boot)

## Using SUM offline deployment mode

Secure Boot is not supported in SUM offline deployment mode. Set the Secure Boot setting to Disabled before use.

When the SPV ISO image is mounted on an iLO virtual media device, and SUM is used in offline deployment mode, and if "Network Interface Settings" of iLO's is configured as "Shared Network Port", an error may occur during SUM startup.

When using iLO's "Network Interface Settings" in the "Shared Network Port" configuration, prepare the medium on which the ISO image is written, and activate SUM's offline deployment mode using the built-in or USB-connected DVD drive.

## Using Intel network adapter

The following firmware versions listed in the SPV do not support downgrade when using an Intel network adapter.

product name	Device
Ethernet 10Gb 2-port FLR-T X550-AT2 Adapter	Ethernet 10Gb 2-port 562FLR-T Adapter

Ethernet 10Gb 2-port BASE-T X550-AT2 Adapter	Ethernet 10Gb 2-port 562T Adapter
Ethernet 10Gb 2-port FLR-SFP+ X710-DA2 Adapter	Ethernet 10Gb 2-port 562FLR-SFP+ Adapter
Ethernet 10Gb 2-port SFP+ X710-DA2 Adapter	Ethernet 10Gb 2-port 562SFP+ Adapter
INT X710 10GbE 2p SFP+ OCP3 Adptr X710 10Gb 2p SFP+ Adptr	Ethernet 10Gb 2-port SFP+ OCP3 X710-DA2 Adapter Ethernet 10Gb 2-port SFP+ X710-DA2 Adapter

## OS setup in G2 Smart Array Controller Environment

In the environment with G2 Smart Array Controller installed in the table below, when setting up Windows or RHEL, apply the driver described in "**Error! Reference source not found.**" included in SPV before applying SPV.

product name	Device
SR932i-p controller	Microchip SR932i-p Cntrl
SR416-a controller	Microchip SR416i-a Cntrl
MR416i-a controller	Broadcom MR416i-a Cntrl
MR416-p controller	Broadcom MR416i-p Cntrl
MR216i-a controller	Broadcom MR216i-a Cntrl
MR216-p controller	Broadcom MR216i-p Cntrl

## Updating MegaRAID controller firmware

FW update component for MegaRAID controller that is included in SPV sometime may fail to update.

Before SPV is applied, each MegaRAID FW should be applied individually.

Product name	device
MegaRAID MR216i-a Controller	Broadcom MR216i-a Cntrl
MegaRAID MR216i-p Controller	Broadcom MR216i-p Cntrl
MegaRAID MR416i-a Controller	Broadcom MR416i-a Cntrl
MegaRAID MR416i-p Controller	Broadcom MR416i-p Cntrl

## Update MegaRAID FW

(1) Check the current FW version in iLO Web console "Firmware & OS Software"- "Firmware".

If the FW version is later than the version that is included in this SPV, don't need to apply the FW.

(2) Extract the component file from SPV

(3) Click "Update Firmware" that is in the right pane, and select the component file and click "Flash" button.

(4) Reboot the system after the completion message is displayed on a green band.

(5) Confirm the FW version in the firmware list.

# Contents of SPV

## Files applicable with the SUM tool

The SUM tool can apply the following drivers, firmware, and utilities (software ) files. (The "x" notation in the table indicates that it is not supported at the time of this document release.)

When used in SUM GUI mode, the commands for each OS are shown below. (Please execute with administrator privileges.):

- Windows environment:

. \Launch\_sum.bat

- Linux environment:

./launch\_sum.sh

For details on how to operate SUM, see "Smart Update Manager User Guide".

## Application -- System Management

No.	Description	Package filename	Device	Package Version	Firmware/Driver version
1	Integrated Smart Update	cp064330.zip	-	2025.03.00	800.6.0.0.37-0

No.	Description	Package filename	Device	Package Version	Firmware/Driver version
	Tools 6.0.0 for ESXi 8.0 and ESXi 9.0				
2	Integrated Smart Update Tools for Linux x64	sut-6.0.0-121.linux.x86_64.rpm	-	6.0.0.0	6.0.0-121.linux
3	Integrated Smart Update Tools for Windows x64	cp064332.exe	-	6.0.0.0	6.0.0.0

## BIOS --System ROM

No.	Description	Package filename	Device	Package Version	Firmware/Driver version
4	Online ROM Flash Component for Linux - System ROM U30	firmware-system-oem-u30-3.42_2025_02_21-1.1.x86_64.rpm	System BIOS - U30	3.42_02-21-2025	U30 v3.42 (02/21/2025)
5	Online ROM Flash Component for Linux - System ROM U32	firmware-system-oem-u32-3.42_2025_02_21-1.1.x86_64.rpm	System BIOS - U32	3.42_02-21-2025	U32 v3.42 (02/21/2025)
6	Online ROM Flash Component for Linux - System ROM U46	firmware-system-oem-u46-2.34_2025_03_11-1.1.x86_64.rpm	System BIOS - U46	2.34_03-11-2025	U46 v2.34 (03/11/2025)
7	Online ROM Flash Component for Windows x64 - System ROM U30	cp065736.exe	System BIOS - U30	3.42_02-21-2025	U30 v3.42 (02/21/2025)
8	Online ROM Flash Component for Windows x64 - System ROM U32	cp065747.exe	System BIOS - U32	3.42_02-21-2025	U32 v3.42 (02/21/2025)
9	Online ROM Flash Component for Windows x64 - System ROM U46	cp066150.exe	System BIOS - U46	2.34_03-11-2025	U46 v2.34 (03/11/2025)
10	ROM Flash Firmware Package - System ROM U30	OEM.U30_3.42_02_21_2025.fwpkg	System BIOS - U30	3.42_02-21-2025	U30 v3.42 (02/21/2025)
11	ROM Flash Firmware Package - System ROM U32	OEM.U32_3.42_02_21_2025.fwpkg	System BIOS - U32	3.42_02-21-2025	U32 v3.42 (02/21/2025)
12	ROM Flash Firmware Package - System ROM U46	OEM.U46_2.34_03_11_2025.fwpkg	System BIOS - U46	2.34_03-11-2025	U46 v2.34 (03/11/2025)

## Driver—Chipset

No.	Description	Package filename	Device	Package Version	Firmware/Driver version
13	Identifiers for Intel Xeon E-22xx Processor for Microsoft Windows	cp062267.exe	-	10.1.19928.8615	10.1.19928.8615
14	Identifiers for Intel Xeon E-23xx Processor for Microsoft Windows	cp062270.exe	-	10.1.19886.8592	10.1.19886.8592
15	Identifiers for Intel Xeon Scalable Processors (First and	cp065106.exe	-	10.1.19006.8299 (D)	10.1.19006.8299

	Second Generation) for Microsoft Windows				
16	Identifiers for Intel Xeon Scalable Processors (Third Generation) for Microsoft Windows	cp065107.exe	-	10.1.19879.8585 (B)	10.1.19879.8585

## Driver—Network

No.	Description	Package filename	Device	Package Version	Firmware/Driver version
17	Broadcom NX1 1Gb Driver for Windows Server x64 Editions	cp064528.exe	Broadcom BCM5719 Ethernet 1Gb 4-port Base-T Adapter	221.0.7.0 (B)	221.0.7.0
18	Broadcom NX1 1Gb Driver for Windows Server x64 Editions	cp064528.exe	Broadcom BCM5719 Ethernet 1Gb 4-port Base-T OCP3 Adapter	221.0.7.0 (B)	221.0.7.0
19	Broadcom NX1 1Gb Driver for Windows Server x64 Editions	cp064528.exe	Broadcom BCM5720 Ethernet 1Gb 2-port BASE-T LOM Adapter	221.0.7.0 (B)	221.0.7.0
20	Broadcom NetXtreme-E Driver for Microsoft Windows Server 2022	cp063726.exe	BCM 57414 10/25GbE 2p SFP28 Adptr	232.0.155.7	232.0.155.7
21	Broadcom NetXtreme-E Driver for Microsoft Windows Server 2022	cp063726.exe	BCM 57414 10/25GbE 2p SFP28 OCP3 Adptr	232.0.155.7	232.0.155.7
22	Broadcom NetXtreme-E Driver for Microsoft Windows Server 2022	cp063726.exe	BCM 57416 10GbE 2p BASE-T Adptr	232.0.155.7	232.0.155.7
23	Broadcom NetXtreme-E Driver for Microsoft Windows Server 2022	cp063726.exe	BCM 57416 10GbE 2p BASE-T OCP3 Adptr	232.0.155.7	232.0.155.7
24	Broadcom NetXtreme-E Driver for Microsoft Windows Server 2022	cp063726.exe	BCM 57412 10GbE 2p SFP+ Adptr	232.0.155.7	232.0.155.7
25	Broadcom NetXtreme-E Driver for Microsoft Windows Server 2022	cp063726.exe	BCM 57412 10GbE 2p SFP+ OCP3 Adptr	232.0.155.7	232.0.155.7
26	Broadcom NetXtreme-E Driver for Microsoft Windows Server 2022	cp063726.exe	BCM 57504 10/25GbE 4p SFP28 Adptr	232.0.155.7	232.0.155.7
27	Broadcom NetXtreme-E Driver for Microsoft Windows Server 2022	cp063726.exe	BCM 57504 10/25GbE 4p SFP28 OCP3 Adptr	232.0.155.7	232.0.155.7
28	Broadcom NetXtreme-E Driver for Microsoft Windows Server 2025	cp063727.exe	BCM 57414 10/25GbE 2p SFP28 Adptr	232.0.155.7	232.0.155.7

29	Broadcom NetXtreme-E Driver for Microsoft Windows Server 2025	cp063727.exe	BCM 57414 10/25GbE 2p SFP28 OCP3 Adptr	232.0.155.7	232.0.155.7
30	Broadcom NetXtreme-E Driver for Microsoft Windows Server 2025	cp063727.exe	BCM 57416 10GbE 2p BASE-T Adptr	232.0.155.7	232.0.155.7
31	Broadcom NetXtreme-E Driver for Microsoft Windows Server 2025	cp063727.exe	BCM 57416 10GbE 2p BASE-T OCP3 Adptr	232.0.155.7	232.0.155.7
32	Broadcom NetXtreme-E Driver for Microsoft Windows Server 2025	cp063727.exe	BCM 57412 10GbE 2p SFP+ Adptr	232.0.155.7	232.0.155.7
33	Broadcom NetXtreme-E Driver for Microsoft Windows Server 2025	cp063727.exe	BCM 57412 10GbE 2p SFP+ OCP3 Adptr	232.0.155.7	232.0.155.7
34	Broadcom NetXtreme-E Driver for Microsoft Windows Server 2025	cp063727.exe	BCM 57504 10/25GbE 4p SFP28 Adptr	232.0.155.7	232.0.155.7
35	Broadcom NetXtreme-E Driver for Microsoft Windows Server 2025	cp063727.exe	BCM 57504 10/25GbE 4p SFP28 OCP3 Adptr	232.0.155.7	232.0.155.7
36	Broadcom NX1 1Gb Driver for Windows Server x64 Editions	cp064527.exe	Ethernet 1Gb 2-port 332i Adapter (22E8)	221.0.7.0 (B)	221.0.7.0
37	Broadcom NX1 1Gb Driver for Windows Server x64 Editions	cp064527.exe	Ethernet 1Gb 2-port 332T Adapter	221.0.7.0 (B)	221.0.7.0
38	Broadcom NX1 1Gb Driver for Windows Server x64 Editions	cp064527.exe	Ethernet 1Gb 4-port 331FLR Adapter	221.0.7.0 (B)	221.0.7.0
39	Broadcom NX1 1Gb Driver for Windows Server x64 Editions	cp064527.exe	Ethernet 1Gb 4-port 331T Adapter	221.0.7.0 (B)	221.0.7.0
40	Broadcom NX1 1Gb Driver for Windows Server x64 Editions	cp064527.exe	Ethernet 1Gb 4-port 331i Adapter (22BE)	221.0.7.0 (B)	221.0.7.0
41	Broadcom NetXtreme-E Driver for Windows Server 2022	cp064755.exe	Ethernet 10/25Gb 2-port 631FLR-SFP28 Adapter	232.0.155.7	232.0.155.7
42	Broadcom NetXtreme-E Driver for Windows Server 2022	cp064755.exe	Ethernet 10/25Gb 2-port 631SFP28 Adapter	232.0.155.7	232.0.155.7
43	Broadcom NetXtreme-E Driver for Windows Server 2022	cp064755.exe	Ethernet 10Gb 2-port 535T Adapter	232.0.155.7	232.0.155.7
44	Broadcom NetXtreme-E Driver for Windows Server 2022	cp064755.exe	Ethernet 10Gb 2-port 537SFP+ Adapter	232.0.155.7	232.0.155.7
45	Broadcom NetXtreme-E Driver for Windows Server 2022	cp064755.exe	Ethernet 10Gb 2-port 537SFP+ FLR Adapter	232.0.155.7	232.0.155.7
46	Broadcom NetXtreme-E Driver for Windows Server	cp064755.exe	Ethernet 10Gb 2-port 535FLR-T	232.0.155.7	232.0.155.7

	2022		Adapter		
47	Broadcom NetXtreme-E Driver for Windows Server 2025	cp064756.exe	Ethernet 10/25Gb 2-port 631FLR-SFP28 Adapter	232.0.155.7	232.0.155.7
48	Broadcom NetXtreme-E Driver for Windows Server 2025	cp064756.exe	Ethernet 10/25Gb 2-port 631SFP28 Adapter	232.0.155.7	232.0.155.7
49	Broadcom NetXtreme-E Driver for Windows Server 2025	cp064756.exe	Ethernet 10Gb 2-port 535T Adapter	232.0.155.7	232.0.155.7
50	Broadcom NetXtreme-E Driver for Windows Server 2025	cp064756.exe	Ethernet 10Gb 2-port 537SFP+ Adapter	232.0.155.7	232.0.155.7
51	Broadcom NetXtreme-E Driver for Windows Server 2025	cp064756.exe	Ethernet 10Gb 2-port 537SFP+ FLR Adapter	232.0.155.7	232.0.155.7
52	Broadcom NetXtreme-E Driver for Windows Server 2025	cp064756.exe	Ethernet 10Gb 2-port 535FLR-T Adapter	232.0.155.7	232.0.155.7
53	Broadcom NetXtreme-E Drivers for Red Hat Enterprise Linux 8	kmod-bnxt_en-1.10.3-232.0.155.5.rhel8u9.x86_64.rpm	Ethernet 10/25Gb 2-port 631FLR-SFP28 Adapter	1.10.3-232.0.155.5	1.10.3-232.0.155.5.rhel8u9
54	Broadcom NetXtreme-E Drivers for Red Hat Enterprise Linux 8	kmod-bnxt_en-1.10.3-232.0.155.5.rhel8u9.x86_64.rpm	Ethernet 10/25Gb 2-port 631SFP28 Adapter	1.10.3-232.0.155.5	1.10.3-232.0.155.5.rhel8u9
55	Broadcom NetXtreme-E Drivers for Red Hat Enterprise Linux 8	kmod-bnxt_en-1.10.3-232.0.155.5.rhel8u9.x86_64.rpm	BCM 57414 10/25GbE 2p SFP28 Adptr	1.10.3-232.0.155.5	1.10.3-232.0.155.5.rhel8u9
56	Broadcom NetXtreme-E Drivers for Red Hat Enterprise Linux 8	kmod-bnxt_en-1.10.3-232.0.155.5.rhel8u9.x86_64.rpm	BCM 57414 10/25GbE 2p SFP28 OCP3 Adptr	1.10.3-232.0.155.5	1.10.3-232.0.155.5.rhel8u9
57	Broadcom NetXtreme-E Drivers for Red Hat Enterprise Linux 8	kmod-bnxt_en-1.10.3-232.0.155.5.rhel8u9.x86_64.rpm	Ethernet 10Gb 2-port 535FLR-T Adapter	1.10.3-232.0.155.5	1.10.3-232.0.155.5.rhel8u9
58	Broadcom NetXtreme-E Drivers for Red Hat Enterprise Linux 8	kmod-bnxt_en-1.10.3-232.0.155.5.rhel8u9.x86_64.rpm	Ethernet 10Gb 2-port 535T Adapter	1.10.3-232.0.155.5	1.10.3-232.0.155.5.rhel8u9
59	Broadcom NetXtreme-E Drivers for Red Hat Enterprise Linux 8	kmod-bnxt_en-1.10.3-232.0.155.5.rhel8u9.x86_64.rpm	Ethernet 10Gb 2-port 537SFP+ Adapter	1.10.3-232.0.155.5	1.10.3-232.0.155.5.rhel8u9
60	Broadcom NetXtreme-E Drivers for Red Hat Enterprise Linux 8	kmod-bnxt_en-1.10.3-232.0.155.5.rhel8u9.x86_64.rpm	Ethernet 10Gb 2-port 537SFP+ FLR Adapter	1.10.3-232.0.155.5	1.10.3-232.0.155.5.rhel8u9
61	Broadcom NetXtreme-E Drivers for Red Hat Enterprise Linux 8	kmod-bnxt_en-1.10.3-232.0.155.5.rhel8u9.x86_64.rpm	BCM 57416 10GbE 2p BASE-T Adptr	1.10.3-232.0.155.5	1.10.3-232.0.155.5.rhel8u9
62	Broadcom NetXtreme-E Drivers for Red Hat Enterprise Linux 8	kmod-bnxt_en-1.10.3-232.0.155.5.rhel8u9.x86_64.rpm	BCM 57416 10GbE 2p BASE-T OCP3 Adptr	1.10.3-232.0.155.5	1.10.3-232.0.155.5.rhel8u9
63	Broadcom NetXtreme-E Drivers for Red Hat Enterprise	kmod-bnxt_en-1.10.3-232.0.155.5.rhel8u9.x86_64.rpm	BCM 57412 10GbE 2p SFP+	1.10.3-232.0.155.5	1.10.3-232.0.155.5.rhel8u9

	Linux 8	6_64.rpm	Adptr		hel8u9
64	Broadcom NetXtreme-E Drivers for Red Hat Enterprise Linux 8	kmod-bnxt_en-1.10.3-232.0.155.5.rhel8u9.x86_64.rpm	BCM 57412 10GbE 2p SFP+ OCP3 Adptr	1.10.3-232.0.155.5	1.10.3-232.0.155.5.rhel8u9
65	Broadcom NetXtreme-E Drivers for Red Hat Enterprise Linux 8	kmod-bnxt_en-1.10.3-232.0.155.5.rhel8u9.x86_64.rpm	BCM 57504 10/25GbE 4p SFP28 Adptr	1.10.3-232.0.155.5	1.10.3-232.0.155.5.rhel8u9
66	Broadcom NetXtreme-E Drivers for Red Hat Enterprise Linux 8	kmod-bnxt_en-1.10.3-232.0.155.5.rhel8u9.x86_64.rpm	BCM 57504 10/25GbE 4p SFP28 OCP3 Adptr	1.10.3-232.0.155.5	1.10.3-232.0.155.5.rhel8u9
67	Broadcom NetXtreme-E Drivers for Red Hat Enterprise Linux 8	kmod-bnxt_en-1.10.3-232.0.155.5.rhel8u10.x86_64.rpm	Ethernet 10/25Gb 2-port 631FLR-SFP28 Adapter	1.10.3-232.0.155.5	1.10.3-232.0.155.5.rhel8u10
68	Broadcom NetXtreme-E Drivers for Red Hat Enterprise Linux 8	kmod-bnxt_en-1.10.3-232.0.155.5.rhel8u10.x86_64.rpm	Ethernet 10/25Gb 2-port 631SFP28 Adapter	1.10.3-232.0.155.5	1.10.3-232.0.155.5.rhel8u10
69	Broadcom NetXtreme-E Drivers for Red Hat Enterprise Linux 8	kmod-bnxt_en-1.10.3-232.0.155.5.rhel8u10.x86_64.rpm	BCM 57414 10/25GbE 2p SFP28 Adptr	1.10.3-232.0.155.5	1.10.3-232.0.155.5.rhel8u10
70	Broadcom NetXtreme-E Drivers for Red Hat Enterprise Linux 8	kmod-bnxt_en-1.10.3-232.0.155.5.rhel8u10.x86_64.rpm	BCM 57414 10/25GbE 2p SFP28 OCP3 Adptr	1.10.3-232.0.155.5	1.10.3-232.0.155.5.rhel8u10
71	Broadcom NetXtreme-E Drivers for Red Hat Enterprise Linux 8	kmod-bnxt_en-1.10.3-232.0.155.5.rhel8u10.x86_64.rpm	Ethernet 10Gb 2- port 535FLR-T Adapter	1.10.3-232.0.155.5	1.10.3-232.0.155.5.rhel8u10
72	Broadcom NetXtreme-E Drivers for Red Hat Enterprise Linux 8	kmod-bnxt_en-1.10.3-232.0.155.5.rhel8u10.x86_64.rpm	Ethernet 10Gb 2- port 535T Adapter	1.10.3-232.0.155.5	1.10.3-232.0.155.5.rhel8u10
73	Broadcom NetXtreme-E Drivers for Red Hat Enterprise Linux 8	kmod-bnxt_en-1.10.3-232.0.155.5.rhel8u10.x86_64.rpm	Ethernet 10Gb 2- port 537SFP+ Adapter	1.10.3-232.0.155.5	1.10.3-232.0.155.5.rhel8u10
74	Broadcom NetXtreme-E Drivers for Red Hat Enterprise Linux 8	kmod-bnxt_en-1.10.3-232.0.155.5.rhel8u10.x86_64.rpm	Ethernet 10Gb 2- port 537SFP+ FLR Adapter	1.10.3-232.0.155.5	1.10.3-232.0.155.5.rhel8u10
75	Broadcom NetXtreme-E Drivers for Red Hat Enterprise Linux 8	kmod-bnxt_en-1.10.3-232.0.155.5.rhel8u10.x86_64.rpm	BCM 57416 10GbE 2p BASE-T Adptr	1.10.3-232.0.155.5	1.10.3-232.0.155.5.rhel8u10
76	Broadcom NetXtreme-E Drivers for Red Hat Enterprise Linux 8	kmod-bnxt_en-1.10.3-232.0.155.5.rhel8u10.x86_64.rpm	BCM 57416 10GbE 2p BASE-T OCP3 Adptr	1.10.3-232.0.155.5	1.10.3-232.0.155.5.rhel8u10
77	Broadcom NetXtreme-E Drivers for Red Hat Enterprise Linux 8	kmod-bnxt_en-1.10.3-232.0.155.5.rhel8u10.x86_64.rpm	BCM 57412 10GbE 2p SFP+ Adptr	1.10.3-232.0.155.5	1.10.3-232.0.155.5.rhel8u10
78	Broadcom NetXtreme-E Drivers for Red Hat Enterprise Linux 8	kmod-bnxt_en-1.10.3-232.0.155.5.rhel8u10.x86_64.rpm	BCM 57412 10GbE 2p SFP+ OCP3 Adptr	1.10.3-232.0.155.5	1.10.3-232.0.155.5.rhel8u10
79	Broadcom NetXtreme-E Drivers for Red Hat Enterprise Linux 8	kmod-bnxt_en-1.10.3-232.0.155.5.rhel8u10.x86_64.rpm	BCM 57504 10/25GbE 4p SFP28 Adptr	1.10.3-232.0.155.5	1.10.3-232.0.155.5.rhel8u10
80	Broadcom NetXtreme-E Drivers for Red Hat Enterprise Linux 8	kmod-bnxt_en-1.10.3-232.0.155.5.rhel8u10.x86_64.rpm	BCM 57504 10/25GbE 4p SFP28 OCP3 Adptr	1.10.3-232.0.155.5	1.10.3-232.0.155.5.rhel8u10
81	Broadcom NetXtreme-E	kmod-bnxt_en-1.10.3-	Ethernet	1.10.3-	1.10.3-

	Drivers for Red Hat Enterprise Linux 9	232.0.155.5.rhel9u4.x86_64.rpm	10/25Gb 2-port 631FLR-SFP28 Adapter	232.0.155.5	232.0.155.5.rhel9u4
82	Broadcom NetXtreme-E Drivers for Red Hat Enterprise Linux 9	kmod-bnxt_en-1.10.3-232.0.155.5.rhel9u4.x86_64.rpm	Ethernet 10/25Gb 2-port 631SFP28 Adapter	1.10.3-232.0.155.5	1.10.3-232.0.155.5.rhel9u4
83	Broadcom NetXtreme-E Drivers for Red Hat Enterprise Linux 9	kmod-bnxt_en-1.10.3-232.0.155.5.rhel9u4.x86_64.rpm	BCM 57414 10/25GbE 2p SFP28 Adptr	1.10.3-232.0.155.5	1.10.3-232.0.155.5.rhel9u4
84	Broadcom NetXtreme-E Drivers for Red Hat Enterprise Linux 9	kmod-bnxt_en-1.10.3-232.0.155.5.rhel9u4.x86_64.rpm	BCM 57414 10/25GbE 2p SFP28 OCP3 Adptr	1.10.3-232.0.155.5	1.10.3-232.0.155.5.rhel9u4
85	Broadcom NetXtreme-E Drivers for Red Hat Enterprise Linux 9	kmod-bnxt_en-1.10.3-232.0.155.5.rhel9u4.x86_64.rpm	Ethernet 10Gb 2-port 535FLR-T Adapter	1.10.3-232.0.155.5	1.10.3-232.0.155.5.rhel9u4
86	Broadcom NetXtreme-E Drivers for Red Hat Enterprise Linux 9	kmod-bnxt_en-1.10.3-232.0.155.5.rhel9u4.x86_64.rpm	Ethernet 10Gb 2-port 535T Adapter	1.10.3-232.0.155.5	1.10.3-232.0.155.5.rhel9u4
87	Broadcom NetXtreme-E Drivers for Red Hat Enterprise Linux 9	kmod-bnxt_en-1.10.3-232.0.155.5.rhel9u4.x86_64.rpm	Ethernet 10Gb 2-port 537SFP+ Adapter	1.10.3-232.0.155.5	1.10.3-232.0.155.5.rhel9u4
88	Broadcom NetXtreme-E Drivers for Red Hat Enterprise Linux 9	kmod-bnxt_en-1.10.3-232.0.155.5.rhel9u4.x86_64.rpm	Ethernet 10Gb 2-port 537SFP+ FLR Adapter	1.10.3-232.0.155.5	1.10.3-232.0.155.5.rhel9u4
89	Broadcom NetXtreme-E Drivers for Red Hat Enterprise Linux 9	kmod-bnxt_en-1.10.3-232.0.155.5.rhel9u4.x86_64.rpm	BCM 57416 10GbE 2p BASE-T Adptr	1.10.3-232.0.155.5	1.10.3-232.0.155.5.rhel9u4
90	Broadcom NetXtreme-E Drivers for Red Hat Enterprise Linux 9	kmod-bnxt_en-1.10.3-232.0.155.5.rhel9u4.x86_64.rpm	BCM 57416 10GbE 2p BASE-T OCP3 Adptr	1.10.3-232.0.155.5	1.10.3-232.0.155.5.rhel9u4
91	Broadcom NetXtreme-E Drivers for Red Hat Enterprise Linux 9	kmod-bnxt_en-1.10.3-232.0.155.5.rhel9u4.x86_64.rpm	BCM 57412 10GbE 2p SFP+ Adptr	1.10.3-232.0.155.5	1.10.3-232.0.155.5.rhel9u4
92	Broadcom NetXtreme-E Drivers for Red Hat Enterprise Linux 9	kmod-bnxt_en-1.10.3-232.0.155.5.rhel9u4.x86_64.rpm	BCM 57412 10GbE 2p SFP+ OCP3 Adptr	1.10.3-232.0.155.5	1.10.3-232.0.155.5.rhel9u4
93	Broadcom NetXtreme-E Drivers for Red Hat Enterprise Linux 9	kmod-bnxt_en-1.10.3-232.0.155.5.rhel9u4.x86_64.rpm	BCM 57504 10/25GbE 4p SFP28 Adptr	1.10.3-232.0.155.5	1.10.3-232.0.155.5.rhel9u4
94	Broadcom NetXtreme-E Drivers for Red Hat Enterprise Linux 9	kmod-bnxt_en-1.10.3-232.0.155.5.rhel9u4.x86_64.rpm	BCM 57504 10/25GbE 4p SFP28 OCP3 Adptr	1.10.3-232.0.155.5	1.10.3-232.0.155.5.rhel9u4
95	Broadcom NetXtreme-E Drivers for VMware vSphere 8.0	cp063725.zip	Ethernet 10/25Gb 2-port 631FLR-SFP28 Adapter	2025.03.00	232.0.254.0-10EM.800.1.0.20613240
96	Broadcom NetXtreme-E Drivers for VMware vSphere 8.0	cp063725.zip	Ethernet 10/25Gb 2-port 631SFP28 Adapter	2025.03.00	232.0.254.0-10EM.800.1.0.20613240
97	Broadcom NetXtreme-E Drivers for VMware vSphere 8.0	cp063725.zip	BCM 57414 10/25GbE 2p SFP28 Adptr	2025.03.00	232.0.254.0-10EM.800.1.0.20613240
98	Broadcom NetXtreme-E	cp063725.zip	BCM 57414	2025.03.00	232.0.254.0-

	Drivers for VMware vSphere 8.0		10/25GbE 2p SFP28 OCP3 Adptr		1OEM.800.1.0 .20613240
99	Broadcom NetXtreme-E Drivers for VMware vSphere 8.0	cp063725.zip	Ethernet 10Gb 2-port 535FLR-T Adapter	2025.03.00	232.0.254.0-1OEM.800.1.0 .20613240
100	Broadcom NetXtreme-E Drivers for VMware vSphere 8.0	cp063725.zip	Ethernet 10Gb 2-port 535T Adapter	2025.03.00	232.0.254.0-1OEM.800.1.0 .20613240
101	Broadcom NetXtreme-E Drivers for VMware vSphere 8.0	cp063725.zip	Ethernet 10Gb 2-port 537SFP+ Adapter	2025.03.00	232.0.254.0-1OEM.800.1.0 .20613240
102	Broadcom NetXtreme-E Drivers for VMware vSphere 8.0	cp063725.zip	Ethernet 10Gb 2-port 537SFP+ FLR Adapter	2025.03.00	232.0.254.0-1OEM.800.1.0 .20613240
103	Broadcom NetXtreme-E Drivers for VMware vSphere 8.0	cp063725.zip	BCM 57416 10GbE 2p BASE-T Adptr	2025.03.00	232.0.254.0-1OEM.800.1.0 .20613240
104	Broadcom NetXtreme-E Drivers for VMware vSphere 8.0	cp063725.zip	BCM 57416 10GbE 2p BASE-T OCP3 Adptr	2025.03.00	232.0.254.0-1OEM.800.1.0 .20613240
105	Broadcom NetXtreme-E Drivers for VMware vSphere 8.0	cp063725.zip	BCM 57412 10GbE 2p SFP+ Adptr	2025.03.00	232.0.254.0-1OEM.800.1.0 .20613240
106	Broadcom NetXtreme-E Drivers for VMware vSphere 8.0	cp063725.zip	BCM 57412 10GbE 2p SFP+ OCP3 Adptr	2025.03.00	232.0.254.0-1OEM.800.1.0 .20613240
107	Broadcom NetXtreme-E Drivers for VMware vSphere 8.0	cp063725.zip	BCM 57504 10/25GbE 4p SFP28 Adptr	2025.03.00	232.0.254.0-1OEM.800.1.0 .20613240
108	Broadcom NetXtreme-E Drivers for VMware vSphere 8.0	cp063725.zip	BCM 57504 10/25GbE 4p SFP28 OCP3 Adptr	2025.03.00	232.0.254.0-1OEM.800.1.0 .20613240
109	Broadcom NetXtreme-E Drivers for VMware vSphere 9.0	cp063771.zip	Ethernet 10/25Gb 2-port 631FLR-SFP28 Adapter	2025.03.00	2025.03.00
110	Broadcom NetXtreme-E Drivers for VMware vSphere 9.0	cp063771.zip	Ethernet 10/25Gb 2-port 631SFP28 Adapter	2025.03.00	2025.03.00
111	Broadcom NetXtreme-E Drivers for VMware vSphere 9.0	cp063771.zip	BCM 57414 10/25GbE 2p SFP28 Adptr	2025.03.00	2025.03.00
112	Broadcom NetXtreme-E Drivers for VMware vSphere 9.0	cp063771.zip	BCM 57414 10/25GbE 2p SFP28 OCP3 Adptr	2025.03.00	2025.03.00
113	Broadcom NetXtreme-E Drivers for VMware vSphere 9.0	cp063771.zip	Ethernet 10Gb 2-port 535FLR-T Adapter	2025.03.00	2025.03.00
114	Broadcom NetXtreme-E Drivers for VMware vSphere 9.0	cp063771.zip	Ethernet 10Gb 2-port 535T Adapter	2025.03.00	2025.03.00
115	Broadcom NetXtreme-E Drivers for VMware vSphere 9.0	cp063771.zip	Ethernet 10Gb 2-port 537SFP+ Adapter	2025.03.00	2025.03.00

116	Broadcom NetXtreme-E Drivers for VMware vSphere 9.0	cp063771.zip	Ethernet 10Gb 2-port 537SFP+ FLR Adapter	2025.03.00	2025.03.00
117	Broadcom NetXtreme-E Drivers for VMware vSphere 9.0	cp063771.zip	BCM 57416 10GbE 2p BASE-T Adptr	2025.03.00	2025.03.00
118	Broadcom NetXtreme-E Drivers for VMware vSphere 9.0	cp063771.zip	BCM 57416 10GbE 2p BASE-T OCP3 Adptr	2025.03.00	2025.03.00
119	Broadcom NetXtreme-E Drivers for VMware vSphere 9.0	cp063771.zip	BCM 57412 10GbE 2p SFP+ Adptr	2025.03.00	2025.03.00
120	Broadcom NetXtreme-E Drivers for VMware vSphere 9.0	cp063771.zip	BCM 57412 10GbE 2p SFP+ OCP3 Adptr	2025.03.00	2025.03.00
121	Broadcom NetXtreme-E Drivers for VMware vSphere 9.0	cp063771.zip	BCM 57504 10/25GbE 4p SFP28 Adptr	2025.03.00	2025.03.00
122	Broadcom NetXtreme-E Drivers for VMware vSphere 9.0	cp063771.zip	BCM 57504 10/25GbE 4p SFP28 OCP3 Adptr	2025.03.00	2025.03.00
123	Broadcom NetXtreme-E RoCE Library for Red Hat Enterprise Linux 8 Update 10.	libbnxt_re-232.0.155.5-rhel8u10.x86_64.rpm	Ethernet 10/25Gb 2-port 631FLR-SFP28 Adapter	232.0.155.5	232.0.155.5-rhel8u10
124	Broadcom NetXtreme-E RoCE Library for Red Hat Enterprise Linux 8 Update 10.	libbnxt_re-232.0.155.5-rhel8u10.x86_64.rpm	Ethernet 10/25Gb 2-port 631SFP28 Adapter	232.0.155.5	232.0.155.5-rhel8u10
125	Broadcom NetXtreme-E RoCE Library for Red Hat Enterprise Linux 8 Update 10.	libbnxt_re-232.0.155.5-rhel8u10.x86_64.rpm	BCM 57414 10/25GbE 2p SFP28 Adptr	232.0.155.5	232.0.155.5-rhel8u10
126	Broadcom NetXtreme-E RoCE Library for Red Hat Enterprise Linux 8 Update 10.	libbnxt_re-232.0.155.5-rhel8u10.x86_64.rpm	BCM 57414 10/25GbE 2p SFP28 OCP3 Adptr	232.0.155.5	232.0.155.5-rhel8u10
127	Broadcom NetXtreme-E RoCE Library for Red Hat Enterprise Linux 8 Update 10.	libbnxt_re-232.0.155.5-rhel8u10.x86_64.rpm	Ethernet 10Gb 2-port 535FLR-T Adapter	232.0.155.5	232.0.155.5-rhel8u10
128	Broadcom NetXtreme-E RoCE Library for Red Hat Enterprise Linux 8 Update 10.	libbnxt_re-232.0.155.5-rhel8u10.x86_64.rpm	Ethernet 10Gb 2-port 535T Adapter	232.0.155.5	232.0.155.5-rhel8u10
129	Broadcom NetXtreme-E RoCE Library for Red Hat Enterprise Linux 8 Update 10.	libbnxt_re-232.0.155.5-rhel8u10.x86_64.rpm	Ethernet 10Gb 2-port 537SFP+ Adapter	232.0.155.5	232.0.155.5-rhel8u10
130	Broadcom NetXtreme-E RoCE Library for Red Hat Enterprise Linux 8 Update 10.	libbnxt_re-232.0.155.5-rhel8u10.x86_64.rpm	Ethernet 10Gb 2-port 537SFP+ FLR Adapter	232.0.155.5	232.0.155.5-rhel8u10
131	Broadcom NetXtreme-E RoCE Library for Red Hat Enterprise Linux 8 Update 10.	libbnxt_re-232.0.155.5-rhel8u10.x86_64.rpm	BCM 57416 10GbE 2p BASE-T Adptr	232.0.155.5	232.0.155.5-rhel8u10
132	Broadcom NetXtreme-E RoCE Library for Red Hat Enterprise Linux 8 Update 10.	libbnxt_re-232.0.155.5-rhel8u10.x86_64.rpm	BCM 57416 10GbE 2p BASE-T OCP3 Adptr	232.0.155.5	232.0.155.5-rhel8u10
133	Broadcom NetXtreme-E RoCE Library for Red Hat Enterprise	libbnxt_re-232.0.155.5-rhel8u10.x86_64.rpm	BCM 57412 10GbE 2p SFP+	232.0.155.5	232.0.155.5-rhel8u10

	Linux 8 Update 10.		Adptr		
134	Broadcom NetXtreme-E RoCE Library for Red Hat Enterprise Linux 8 Update 10.	libbnxt_re-232.0.155.5-rhel8u10.x86_64.rpm	BCM 57412 10GbE 2p SFP+ OCP3 Adptr	232.0.155.5	232.0.155.5-rhel8u10
135	Broadcom NetXtreme-E RoCE Library for Red Hat Enterprise Linux 8 Update 10.	libbnxt_re-232.0.155.5-rhel8u10.x86_64.rpm	BCM 57504 10/25GbE 4p SFP28 Adptr	232.0.155.5	232.0.155.5-rhel8u10
136	Broadcom NetXtreme-E RoCE Library for Red Hat Enterprise Linux 8 Update 10.	libbnxt_re-232.0.155.5-rhel8u10.x86_64.rpm	BCM 57504 10/25GbE 4p SFP28 OCP3 Adptr	232.0.155.5	232.0.155.5-rhel8u10
137	Broadcom NetXtreme-E RoCE Library for Red Hat Enterprise Linux 8 Update 9.	libbnxt_re-232.0.155.5-rhel8u9.x86_64.rpm	Ethernet 10/25Gb 2-port 631FLR-SFP28 Adapter	232.0.155.5	232.0.155.5-rhel8u9
138	Broadcom NetXtreme-E RoCE Library for Red Hat Enterprise Linux 8 Update 9.	libbnxt_re-232.0.155.5-rhel8u9.x86_64.rpm	Ethernet 10/25Gb 2-port 631SFP28 Adapter	232.0.155.5	232.0.155.5-rhel8u9
139	Broadcom NetXtreme-E RoCE Library for Red Hat Enterprise Linux 8 Update 9.	libbnxt_re-232.0.155.5-rhel8u9.x86_64.rpm	BCM 57414 10/25GbE 2p SFP28 Adptr	232.0.155.5	232.0.155.5-rhel8u9
140	Broadcom NetXtreme-E RoCE Library for Red Hat Enterprise Linux 8 Update 9.	libbnxt_re-232.0.155.5-rhel8u9.x86_64.rpm	BCM 57414 10/25GbE 2p SFP28 OCP3 Adptr	232.0.155.5	232.0.155.5-rhel8u9
141	Broadcom NetXtreme-E RoCE Library for Red Hat Enterprise Linux 8 Update 9.	libbnxt_re-232.0.155.5-rhel8u9.x86_64.rpm	Ethernet 10Gb 2- port 535FLR-T Adapter	232.0.155.5	232.0.155.5-rhel8u9
142	Broadcom NetXtreme-E RoCE Library for Red Hat Enterprise Linux 8 Update 9.	libbnxt_re-232.0.155.5-rhel8u9.x86_64.rpm	Ethernet 10Gb 2- port 535T Adapter	232.0.155.5	232.0.155.5-rhel8u9
143	Broadcom NetXtreme-E RoCE Library for Red Hat Enterprise Linux 8 Update 9.	libbnxt_re-232.0.155.5-rhel8u9.x86_64.rpm	Ethernet 10Gb 2- port 537SFP+ Adapter	232.0.155.5	232.0.155.5-rhel8u9
144	Broadcom NetXtreme-E RoCE Library for Red Hat Enterprise Linux 8 Update 9.	libbnxt_re-232.0.155.5-rhel8u9.x86_64.rpm	Ethernet 10Gb 2- port 537SFP+ FLR Adapter	232.0.155.5	232.0.155.5-rhel8u9
145	Broadcom NetXtreme-E RoCE Library for Red Hat Enterprise Linux 8 Update 9.	libbnxt_re-232.0.155.5-rhel8u9.x86_64.rpm	BCM 57416 10GbE 2p BASE-T Adptr	232.0.155.5	232.0.155.5-rhel8u9
146	Broadcom NetXtreme-E RoCE Library for Red Hat Enterprise Linux 8 Update 9.	libbnxt_re-232.0.155.5-rhel8u9.x86_64.rpm	BCM 57416 10GbE 2p BASE-T OCP3 Adptr	232.0.155.5	232.0.155.5-rhel8u9
147	Broadcom NetXtreme-E RoCE Library for Red Hat Enterprise Linux 8 Update 9.	libbnxt_re-232.0.155.5-rhel8u9.x86_64.rpm	BCM 57412 10GbE 2p SFP+ Adptr	232.0.155.5	232.0.155.5-rhel8u9
148	Broadcom NetXtreme-E RoCE Library for Red Hat Enterprise Linux 8 Update 9.	libbnxt_re-232.0.155.5-rhel8u9.x86_64.rpm	BCM 57412 10GbE 2p SFP+ OCP3 Adptr	232.0.155.5	232.0.155.5-rhel8u9
149	Broadcom NetXtreme-E RoCE Library for Red Hat Enterprise Linux 8 Update 9.	libbnxt_re-232.0.155.5-rhel8u9.x86_64.rpm	BCM 57504 10/25GbE 4p SFP28 Adptr	232.0.155.5	232.0.155.5-rhel8u9
150	Broadcom NetXtreme-E RoCE Library for Red Hat Enterprise Linux 8 Update 9.	libbnxt_re-232.0.155.5-rhel8u9.x86_64.rpm	BCM 57504 10/25GbE 4p SFP28 OCP3 Adptr	232.0.155.5	232.0.155.5-rhel8u9
151	Broadcom NetXtreme-E RoCE	libbnxt_re-232.0.155.5-	Ethernet	232.0.155.5	232.0.155.5-

	Library for Red Hat Enterprise Linux 9 Update 4.	rhel9u4.x86_64.rpm	10/25Gb 2-port 631FLR-SFP28 Adapter		rhel9u4
152	Broadcom NetXtreme-E RoCE Library for Red Hat Enterprise Linux 9 Update 4.	libbnxt_re-232.0.155.5-rhel9u4.x86_64.rpm	Ethernet 10/25Gb 2-port 631SFP28 Adapter	232.0.155.5	232.0.155.5-rhel9u4
153	Broadcom NetXtreme-E RoCE Library for Red Hat Enterprise Linux 9 Update 4.	libbnxt_re-232.0.155.5-rhel9u4.x86_64.rpm	BCM 57414 10/25GbE 2p SFP28 Adptr	232.0.155.5	232.0.155.5-rhel9u4
154	Broadcom NetXtreme-E RoCE Library for Red Hat Enterprise Linux 9 Update 4.	libbnxt_re-232.0.155.5-rhel9u4.x86_64.rpm	BCM 57414 10/25GbE 2p SFP28 OCP3 Adptr	232.0.155.5	232.0.155.5-rhel9u4
155	Broadcom NetXtreme-E RoCE Library for Red Hat Enterprise Linux 9 Update 4.	libbnxt_re-232.0.155.5-rhel9u4.x86_64.rpm	Ethernet 10Gb 2-port 535FLR-T Adapter	232.0.155.5	232.0.155.5-rhel9u4
156	Broadcom NetXtreme-E RoCE Library for Red Hat Enterprise Linux 9 Update 4.	libbnxt_re-232.0.155.5-rhel9u4.x86_64.rpm	Ethernet 10Gb 2-port 535T Adapter	232.0.155.5	232.0.155.5-rhel9u4
157	Broadcom NetXtreme-E RoCE Library for Red Hat Enterprise Linux 9 Update 4.	libbnxt_re-232.0.155.5-rhel9u4.x86_64.rpm	Ethernet 10Gb 2-port 537SFP+ Adapter	232.0.155.5	232.0.155.5-rhel9u4
158	Broadcom NetXtreme-E RoCE Library for Red Hat Enterprise Linux 9 Update 4.	libbnxt_re-232.0.155.5-rhel9u4.x86_64.rpm	Ethernet 10Gb 2-port 537SFP+ FLR Adapter	232.0.155.5	232.0.155.5-rhel9u4
159	Broadcom NetXtreme-E RoCE Library for Red Hat Enterprise Linux 9 Update 4.	libbnxt_re-232.0.155.5-rhel9u4.x86_64.rpm	BCM 57416 10GbE 2p BASE-T Adptr	232.0.155.5	232.0.155.5-rhel9u4
160	Broadcom NetXtreme-E RoCE Library for Red Hat Enterprise Linux 9 Update 4.	libbnxt_re-232.0.155.5-rhel9u4.x86_64.rpm	BCM 57416 10GbE 2p BASE-T OCP3 Adptr	232.0.155.5	232.0.155.5-rhel9u4
161	Broadcom NetXtreme-E RoCE Library for Red Hat Enterprise Linux 9 Update 4.	libbnxt_re-232.0.155.5-rhel9u4.x86_64.rpm	BCM 57412 10GbE 2p SFP+ Adptr	232.0.155.5	232.0.155.5-rhel9u4
162	Broadcom NetXtreme-E RoCE Library for Red Hat Enterprise Linux 9 Update 4.	libbnxt_re-232.0.155.5-rhel9u4.x86_64.rpm	BCM 57412 10GbE 2p SFP+ OCP3 Adptr	232.0.155.5	232.0.155.5-rhel9u4
163	Broadcom NetXtreme-E RoCE Library for Red Hat Enterprise Linux 9 Update 4.	libbnxt_re-232.0.155.5-rhel9u4.x86_64.rpm	BCM 57504 10/25GbE 4p SFP28 Adptr	232.0.155.5	232.0.155.5-rhel9u4
164	Broadcom NetXtreme-E RoCE Library for Red Hat Enterprise Linux 9 Update 4.	libbnxt_re-232.0.155.5-rhel9u4.x86_64.rpm	BCM 57504 10/25GbE 4p SFP28 OCP3 Adptr	232.0.155.5	232.0.155.5-rhel9u4
165	Broadcom tg3 Ethernet Drivers for Red Hat Enterprise Linux 8	kmod-tg3-3.139q-1.rhel8u10.x86_64.rpm	Broadcom BCM5719 Ethernet 1Gb 4-port Base-T Adapter	3.139q-1	3.139q-1.rhel8u10
166	Broadcom tg3 Ethernet Drivers for Red Hat Enterprise Linux 8	kmod-tg3-3.139q-1.rhel8u10.x86_64.rpm	Broadcom BCM5719 Ethernet 1Gb 4-port Base-T OCP3 Adapter	3.139q-1	3.139q-1.rhel8u10
167	Broadcom tg3 Ethernet Drivers for Red Hat Enterprise	kmod-tg3-3.139q-1.rhel8u10.x86_64.rpm	Ethernet 1Gb 2-port 332i Adapter	3.139q-1	3.139q-1.rhel8u10

	Linux 8		(22E8)		
168	Broadcom tg3 Ethernet Drivers for Red Hat Enterprise Linux 8	kmod-tg3-3.139q-1.rhel8u10.x86_64.rpm	Ethernet 1Gb 2-port 332T Adapter	3.139q-1	3.139q-1.rhel8u10
169	Broadcom tg3 Ethernet Drivers for Red Hat Enterprise Linux 8	kmod-tg3-3.139q-1.rhel8u10.x86_64.rpm	Ethernet 1Gb 4-port 331FLR Adapter	3.139q-1	3.139q-1.rhel8u10
170	Broadcom tg3 Ethernet Drivers for Red Hat Enterprise Linux 8	kmod-tg3-3.139q-1.rhel8u10.x86_64.rpm	Ethernet 1Gb 4-port 331i Adapter (22BE)	3.139q-1	3.139q-1.rhel8u10
171	Broadcom tg3 Ethernet Drivers for Red Hat Enterprise Linux 8	kmod-tg3-3.139q-1.rhel8u10.x86_64.rpm	Ethernet 1Gb 4-port 331T Adapter	3.139q-1	3.139q-1.rhel8u10
172	Broadcom tg3 Ethernet Drivers for Red Hat Enterprise Linux 8	kmod-tg3-3.139q-1.rhel8u10.x86_64.rpm	Broadcom BCM5720 Ethernet 1Gb 2-port BASE-T LOM Adapter	3.139q-1	3.139q-1.rhel8u10
173	Broadcom tg3 Ethernet Drivers for Red Hat Enterprise Linux 8	kmod-tg3-3.139q-1.rhel8u9.x86_64.rpm	Broadcom BCM5719 Ethernet 1Gb 4-port Base-T Adapter	3.139q-1	3.139q-1.rhel8u9
174	Broadcom tg3 Ethernet Drivers for Red Hat Enterprise Linux 8	kmod-tg3-3.139q-1.rhel8u9.x86_64.rpm	Broadcom BCM5719 Ethernet 1Gb 4-port Base-T OCP3 Adapter	3.139q-1	3.139q-1.rhel8u9
175	Broadcom tg3 Ethernet Drivers for Red Hat Enterprise Linux 8	kmod-tg3-3.139q-1.rhel8u9.x86_64.rpm	Ethernet 1Gb 2-port 332i Adapter (22E8)	3.139q-1	3.139q-1.rhel8u9
176	Broadcom tg3 Ethernet Drivers for Red Hat Enterprise Linux 8	kmod-tg3-3.139q-1.rhel8u9.x86_64.rpm	Ethernet 1Gb 2-port 332T Adapter	3.139q-1	3.139q-1.rhel8u9
177	Broadcom tg3 Ethernet Drivers for Red Hat Enterprise Linux 8	kmod-tg3-3.139q-1.rhel8u9.x86_64.rpm	Ethernet 1Gb 4-port 331FLR Adapter	3.139q-1	3.139q-1.rhel8u9
178	Broadcom tg3 Ethernet Drivers for Red Hat Enterprise Linux 8	kmod-tg3-3.139q-1.rhel8u9.x86_64.rpm	Ethernet 1Gb 4-port 331i Adapter (22BE)	3.139q-1	3.139q-1.rhel8u9
179	Broadcom tg3 Ethernet Drivers for Red Hat Enterprise Linux 8	kmod-tg3-3.139q-1.rhel8u9.x86_64.rpm	Ethernet 1Gb 4-port 331T Adapter	3.139q-1	3.139q-1.rhel8u9
180	Broadcom tg3 Ethernet Drivers for Red Hat Enterprise Linux 8	kmod-tg3-3.139q-1.rhel8u9.x86_64.rpm	Broadcom BCM5720 Ethernet 1Gb 2-port BASE-T LOM Adapter	3.139q-1	3.139q-1.rhel8u9
181	Broadcom tg3 Ethernet Drivers for Red Hat Enterprise Linux 9	kmod-tg3-3.139q-1.rhel9u4.x86_64.rpm	Broadcom BCM5719 Ethernet 1Gb 4-port Base-T Adapter	3.139q-1	3.139q-1.rhel9u4
182	Broadcom tg3 Ethernet Drivers for Red Hat Enterprise	kmod-tg3-3.139q-1.rhel9u4.x86_64.rpm	Broadcom BCM5719	3.139q-1	3.139q-1.rhel9u4

	Linux 9		Ethernet 1Gb 4-port Base-T OCP3 Adapter		
183	Broadcom tg3 Ethernet Drivers for Red Hat Enterprise Linux 9	kmod-tg3-3.139q-1.rhel9u4.x86_64.rpm	Ethernet 1Gb 2-port 332i Adapter (22E8)	3.139q-1	3.139q-1.rhel9u4
184	Broadcom tg3 Ethernet Drivers for Red Hat Enterprise Linux 9	kmod-tg3-3.139q-1.rhel9u4.x86_64.rpm	Ethernet 1Gb 2-port 332T Adapter	3.139q-1	3.139q-1.rhel9u4
185	Broadcom tg3 Ethernet Drivers for Red Hat Enterprise Linux 9	kmod-tg3-3.139q-1.rhel9u4.x86_64.rpm	Ethernet 1Gb 4-port 331FLR Adapter	3.139q-1	3.139q-1.rhel9u4
186	Broadcom tg3 Ethernet Drivers for Red Hat Enterprise Linux 9	kmod-tg3-3.139q-1.rhel9u4.x86_64.rpm	Ethernet 1Gb 4-port 331i Adapter (22BE)	3.139q-1	3.139q-1.rhel9u4
187	Broadcom tg3 Ethernet Drivers for Red Hat Enterprise Linux 9	kmod-tg3-3.139q-1.rhel9u4.x86_64.rpm	Ethernet 1Gb 4-port 331T Adapter	3.139q-1	3.139q-1.rhel9u4
188	Broadcom tg3 Ethernet Drivers for Red Hat Enterprise Linux 9	kmod-tg3-3.139q-1.rhel9u4.x86_64.rpm	Broadcom BCM5720 Ethernet 1Gb 2-port BASE-T LOM Adapter	3.139q-1	3.139q-1.rhel9u4
189	Intel E1R Driver for Windows Server 2019	cp061657.exe	Ethernet 1Gb 2-port 361i Adapter	14.0.5.0	14.0.5.0
190	Intel E1R Driver for Windows Server 2019	cp061657.exe	Ethernet 1Gb 2-port 361T Adapter	14.0.5.0	14.0.5.0
191	Intel E1R Driver for Windows Server 2019	cp061657.exe	Ethernet 1Gb 4-port 366FLR Adapter	14.0.5.0	14.0.5.0
192	Intel E1R Driver for Windows Server 2019	cp061657.exe	Ethernet 1Gb 4-port 366T Adapter	14.0.5.0	14.0.5.0
193	Intel E1R Driver for Windows Server 2022	cp064923.exe	Ethernet 1Gb 2-port 361i Adapter	14.0.5.0 (B)	14.0.5.0
194	Intel E1R Driver for Windows Server 2022	cp064923.exe	Ethernet 1Gb 2-port 361T Adapter	14.0.5.0 (B)	14.0.5.0
195	Intel E1R Driver for Windows Server 2022	cp064923.exe	Ethernet 1Gb 4-port 366FLR Adapter	14.0.5.0 (B)	14.0.5.0
196	Intel E1R Driver for Windows Server 2022	cp064923.exe	Ethernet 1Gb 4-port 366T Adapter	14.0.5.0 (B)	14.0.5.0
197	Intel E1R Driver for Windows Server 2025	cp064587.exe	Ethernet 1Gb 2-port 361i Adapter	14.1.5.0	14.1.5.0
198	Intel E1R Driver for Windows Server 2025	cp064587.exe	Ethernet 1Gb 2-port 361T Adapter	14.1.5.0	14.1.5.0
199	Intel E1R Driver for Windows Server 2025	cp064587.exe	Ethernet 1Gb 4-port 366FLR Adapter	14.1.5.0	14.1.5.0
200	Intel E1R Driver for Windows Server 2025	cp064587.exe	Ethernet 1Gb 4-port 366T	14.1.5.0	14.1.5.0

			Adapter		
201	Intel i40e Drivers for Red Hat Enterprise Linux 8	kmod-hp-i40e-2.26.8-1.rhel8u10.x86_64.rpm	Ethernet 1Gb 4-port 369i Adapter	2.26.8-1	2.26.8-1.rhel8u10
202	Intel i40e Drivers for Red Hat Enterprise Linux 8	kmod-hp-i40e-2.26.8-1.rhel8u10.x86_64.rpm	Ethernet 10Gb 2-port 562FLR-SFP+ Adapter	2.26.8-1	2.26.8-1.rhel8u10
203	Intel i40e Drivers for Red Hat Enterprise Linux 8	kmod-hp-i40e-2.26.8-1.rhel8u10.x86_64.rpm	Ethernet 10Gb 2-port 562SFP+ Adapter	2.26.8-1	2.26.8-1.rhel8u10
204	Intel i40e Drivers for Red Hat Enterprise Linux 8	kmod-hp-i40e-2.26.8-1.rhel8u10.x86_64.rpm	Ethernet 10Gb 2-port SFP+ OCP3 X710-DA2 Adapter	2.26.8-1	2.26.8-1.rhel8u10
205	Intel i40e Drivers for Red Hat Enterprise Linux 8	kmod-hp-i40e-2.26.8-1.rhel8u10.x86_64.rpm	Ethernet 10Gb 2-port SFP+ X710-DA2 Adapter	2.26.8-1	2.26.8-1.rhel8u10
206	Intel i40e Drivers for Red Hat Enterprise Linux 8	kmod-hp-i40e-2.26.8-1.rhel8u9.x86_64.rpm	Ethernet 1Gb 4-port 369i Adapter	2.26.8-1	2.26.8-1.rhel8u9
207	Intel i40e Drivers for Red Hat Enterprise Linux 8	kmod-hp-i40e-2.26.8-1.rhel8u9.x86_64.rpm	Ethernet 10Gb 2-port 562FLR-SFP+ Adapter	2.26.8-1	2.26.8-1.rhel8u9
208	Intel i40e Drivers for Red Hat Enterprise Linux 8	kmod-hp-i40e-2.26.8-1.rhel8u9.x86_64.rpm	Ethernet 10Gb 2-port 562SFP+ Adapter	2.26.8-1	2.26.8-1.rhel8u9
209	Intel i40e Drivers for Red Hat Enterprise Linux 8	kmod-hp-i40e-2.26.8-1.rhel8u9.x86_64.rpm	Ethernet 10Gb 2-port SFP+ OCP3 X710-DA2 Adapter	2.26.8-1	2.26.8-1.rhel8u9
210	Intel i40e Drivers for Red Hat Enterprise Linux 8	kmod-hp-i40e-2.26.8-1.rhel8u9.x86_64.rpm	Ethernet 10Gb 2-port SFP+ X710-DA2 Adapter	2.26.8-1	2.26.8-1.rhel8u9
211	Intel i40e Drivers for Red Hat Enterprise Linux 9	kmod-hp-i40e-2.26.8-1.rhel9u4.x86_64.rpm	Ethernet 1Gb 4-port 369i Adapter	2.26.8-1	2.26.8-1.rhel9u4
212	Intel i40e Drivers for Red Hat Enterprise Linux 9	kmod-hp-i40e-2.26.8-1.rhel9u4.x86_64.rpm	Ethernet 10Gb 2-port 562FLR-SFP+ Adapter	2.26.8-1	2.26.8-1.rhel9u4
213	Intel i40e Drivers for Red Hat Enterprise Linux 9	kmod-hp-i40e-2.26.8-1.rhel9u4.x86_64.rpm	Ethernet 10Gb 2-port 562SFP+ Adapter	2.26.8-1	2.26.8-1.rhel9u4
214	Intel i40e Drivers for Red Hat Enterprise Linux 9	kmod-hp-i40e-2.26.8-1.rhel9u4.x86_64.rpm	Ethernet 10Gb 2-port SFP+ OCP3 X710-DA2 Adapter	2.26.8-1	2.26.8-1.rhel9u4
215	Intel i40e Drivers for Red Hat Enterprise Linux 9	kmod-hp-i40e-2.26.8-1.rhel9u4.x86_64.rpm	Ethernet 10Gb 2-port SFP+ X710-DA2 Adapter	2.26.8-1	2.26.8-1.rhel9u4
216	Intel i40ea Driver for Windows Server 2019	cp061659.exe	Ethernet 10Gb 2-port 562FLR-SFP+ Adapter	1.19.164.0	1.19.164.0
217	Intel i40ea Driver for Windows Server 2019	cp061659.exe	Ethernet 10Gb 2-port 562SFP+ Adapter	1.19.164.0	1.19.164.0
218	Intel i40ea Driver for Windows Server 2022	cp064924.exe	Ethernet 10Gb 2-port 562FLR-SFP+ Adapter	1.19.165.0 (B)	1.19.165.0

219	Intel i40ea Driver for Windows Server 2022	cp064924.exe	Ethernet 10Gb 2-port 562SFP+ Adapter	1.19.165.0 (B)	1.19.165.0
220	Intel i40eb Driver for Windows Server 2019	cp061661.exe	Ethernet 1Gb 4-port 369i Adapter	1.19.164.0	1.19.164.0
221	Intel i40eb Driver for Windows Server 2022	cp064925.exe	Ethernet 1Gb 4-port 369i Adapter	1.19.164.0 (B)	1.19.164.0
222	Intel i40eb Driver for Windows Server 2025	cp064583.exe	Ethernet 1Gb 4-port 369i Adapter	1.19.267.0	1.19.267.0
223	Intel i40en Driver for VMware vSphere 8.0	cp063149.zip	Ethernet 1Gb 4-port 369i Adapter	2024.11.00	2.9.2.0-10EM.800.1.0.20613240
224	Intel i40en Driver for VMware vSphere 8.0	cp063149.zip	Ethernet 10Gb 2-port 562FLR-SFP+ Adapter	2024.11.00	2.9.2.0-10EM.800.1.0.20613240
225	Intel i40en Driver for VMware vSphere 8.0	cp063149.zip	Ethernet 10Gb 2-port 562SFP+ Adapter	2024.11.00	2.9.2.0-10EM.800.1.0.20613240
226	Intel i40en Driver for VMware vSphere 8.0	cp063149.zip	Ethernet 10Gb 2-port SFP+ OCP3 X710-DA2 Adapter	2024.11.00	2.9.2.0-10EM.800.1.0.20613240
227	Intel i40en Driver for VMware vSphere 8.0	cp063149.zip	Ethernet 10Gb 2-port SFP+ X710-DA2 Adapter	2024.11.00	2.9.2.0-10EM.800.1.0.20613240
228	Intel i40en Driver for VMware vSphere 9.0	cp065386.zip	Ethernet 1Gb 4-port 369i Adapter	2025.03.00	2025.03.00
229	Intel i40en Driver for VMware vSphere 9.0	cp065386.zip	Ethernet 10Gb 2-port 562FLR-SFP+ Adapter	2025.03.00	2025.03.00
230	Intel i40en Driver for VMware vSphere 9.0	cp065386.zip	Ethernet 10Gb 2-port 562SFP+ Adapter	2025.03.00	2025.03.00
231	Intel i40en Driver for VMware vSphere 9.0	cp065386.zip	Ethernet 10Gb 2-port SFP+ OCP3 X710-DA2 Adapter	2025.03.00	2025.03.00
232	Intel i40en Driver for VMware vSphere 9.0	cp065386.zip	Ethernet 10Gb 2-port SFP+ X710-DA2 Adapter	2025.03.00	2025.03.00
233	Intel iavf Drivers for Red Hat Enterprise Linux 8	kmod-hp-iavf-4.12.5-1.rhel8u9.x86_64.rpm	Intel E810-CQDA2 Ethernet 100Gb 2-port QSFP28 Adapter	4.12.5-1	4.12.5-1.rhel8u9
234	Intel iavf Drivers for Red Hat Enterprise Linux 8	kmod-hp-iavf-4.12.5-1.rhel8u9.x86_64.rpm	Intel E810-CQDA2 Ethernet 100Gb 2-port QSFP28 OCP3 Adapter	4.12.5-1	4.12.5-1.rhel8u9
235	Intel iavf Drivers for Red Hat Enterprise Linux 8	kmod-hp-iavf-4.12.5-1.rhel8u9.x86_64.rpm	Intel E810-XXVDA2 adapter	4.12.5-1	4.12.5-1.rhel8u9
236	Intel iavf Drivers for Red Hat Enterprise Linux 8	kmod-hp-iavf-4.12.5-1.rhel8u9.x86_64.rpm	Intel E810-XXVDA2 OCP3 adapter	4.12.5-1	4.12.5-1.rhel8u9
237	Intel iavf Drivers for Red Hat Enterprise Linux 8	kmod-hp-iavf-4.12.5-1.rhel8u9.x86_64.rpm	Intel E810-XXVDA4 Ethernet	4.12.5-1	4.12.5-1.rhel8u9

			10/25Gb 4-port SFP28 Adapter		
238	Intel iavf Drivers for Red Hat Enterprise Linux 8	kmod-hp-iavf-4.12.5-1.rhel8u9.x86_64.rpm	Ethernet 10Gb 2-port SFP+ OCP3 X710-DA2 Adapter	4.12.5-1	4.12.5-1.rhel8u9
239	Intel iavf Drivers for Red Hat Enterprise Linux 8	kmod-hp-iavf-4.12.5-1.rhel8u9.x86_64.rpm	Ethernet 10Gb 2-port 562SFP+ Adapter	4.12.5-1	4.12.5-1.rhel8u9
240	Intel iavf Drivers for Red Hat Enterprise Linux 8	kmod-hp-iavf-4.12.5-1.rhel8u9.x86_64.rpm	Ethernet 10Gb 2-port 562FLR-SFP+ Adapter	4.12.5-1	4.12.5-1.rhel8u9
241	Intel iavf Drivers for Red Hat Enterprise Linux 8	kmod-hp-iavf-4.12.5-1.rhel8u9.x86_64.rpm	Ethernet 1Gb 4-port 369i Adapter	4.12.5-1	4.12.5-1.rhel8u9
242	Intel iavf Drivers for Red Hat Enterprise Linux 8	kmod-hp-iavf-4.12.5-1.rhel8u9.x86_64.rpm	Ethernet 10Gb 2-port SFP+ X710-DA2 Adapter	4.12.5-1	4.12.5-1.rhel8u9
243	Intel iavf Drivers for Red Hat Enterprise Linux 8	kmod-hp-iavf-4.12.5-1.rhel8u10.x86_64.rpm	Intel E810-CQDA2 Ethernet 100Gb 2-port QSFP28 Adapter	4.12.5-1	4.12.5-1.rhel8u10
244	Intel iavf Drivers for Red Hat Enterprise Linux 8	kmod-hp-iavf-4.12.5-1.rhel8u10.x86_64.rpm	Intel E810-CQDA2 Ethernet 100Gb 2-port QSFP28 OCP3 Adapter	4.12.5-1	4.12.5-1.rhel8u10
245	Intel iavf Drivers for Red Hat Enterprise Linux 8	kmod-hp-iavf-4.12.5-1.rhel8u10.x86_64.rpm	Intel E810-XXVDA2 adapter	4.12.5-1	4.12.5-1.rhel8u10
246	Intel iavf Drivers for Red Hat Enterprise Linux 8	kmod-hp-iavf-4.12.5-1.rhel8u10.x86_64.rpm	Intel E810-XXVDA2 OCP3 adapter	4.12.5-1	4.12.5-1.rhel8u10
247	Intel iavf Drivers for Red Hat Enterprise Linux 8	kmod-hp-iavf-4.12.5-1.rhel8u10.x86_64.rpm	Intel E810-XXVDA4 Ethernet 10/25Gb 4-port SFP28 Adapter	4.12.5-1	4.12.5-1.rhel8u10
248	Intel iavf Drivers for Red Hat Enterprise Linux 8	kmod-hp-iavf-4.12.5-1.rhel8u10.x86_64.rpm	Ethernet 10Gb 2-port SFP+ OCP3 X710-DA2 Adapter	4.12.5-1	4.12.5-1.rhel8u10
249	Intel iavf Drivers for Red Hat Enterprise Linux 8	kmod-hp-iavf-4.12.5-1.rhel8u10.x86_64.rpm	Ethernet 10Gb 2-port 562SFP+ Adapter	4.12.5-1	4.12.5-1.rhel8u10
250	Intel iavf Drivers for Red Hat Enterprise Linux 8	kmod-hp-iavf-4.12.5-1.rhel8u10.x86_64.rpm	Ethernet 10Gb 2-port 562FLR-SFP+ Adapter	4.12.5-1	4.12.5-1.rhel8u10
251	Intel iavf Drivers for Red Hat Enterprise Linux 8	kmod-hp-iavf-4.12.5-1.rhel8u10.x86_64.rpm	Ethernet 1Gb 4-port 369i Adapter	4.12.5-1	4.12.5-1.rhel8u10
252	Intel iavf Drivers for Red Hat Enterprise Linux 8	kmod-hp-iavf-4.12.5-1.rhel8u10.x86_64.rpm	Ethernet 10Gb 2-port SFP+ X710-DA2 Adapter	4.12.5-1	4.12.5-1.rhel8u10
253	Intel iavf Drivers for Red Hat Enterprise Linux 9	kmod-hp-iavf-4.12.5-1.rhel9u4.x86_64.rpm	Intel E810-CQDA2 Ethernet 100Gb 2-port QSFP28 Adapter	4.12.5-1 (B)	4.12.5-1.rhel9u4
254	Intel iavf Drivers for Red Hat Enterprise Linux 9	kmod-hp-iavf-4.12.5-1.rhel9u4.x86_64.rpm	Intel E810-CQDA2 Ethernet 100Gb	4.12.5-1 (B)	4.12.5-1.rhel9u4

			2-port QSFP28 OCP3 Adapter		
255	Intel iavf Drivers for Red Hat Enterprise Linux 9	kmod-hp-iavf-4.12.5-1.rhel9u4.x86_64.rpm	Intel E810-XXVDA2 adapter	4.12.5-1 (B)	4.12.5-1.rhel9u4
256	Intel iavf Drivers for Red Hat Enterprise Linux 9	kmod-hp-iavf-4.12.5-1.rhel9u4.x86_64.rpm	Intel E810-XXVDA2 OCP3 adapter	4.12.5-1 (B)	4.12.5-1.rhel9u4
257	Intel iavf Drivers for Red Hat Enterprise Linux 9	kmod-hp-iavf-4.12.5-1.rhel9u4.x86_64.rpm	Intel E810-XXVDA4 Ethernet 10/25Gb 4-port SFP28 Adapter	4.12.5-1 (B)	4.12.5-1.rhel9u4
258	Intel iavf Drivers for Red Hat Enterprise Linux 9	kmod-hp-iavf-4.12.5-1.rhel9u4.x86_64.rpm	Ethernet 10Gb 2-port SFP+ OCP3 X710-DA2 Adapter	4.12.5-1 (B)	4.12.5-1.rhel9u4
259	Intel iavf Drivers for Red Hat Enterprise Linux 9	kmod-hp-iavf-4.12.5-1.rhel9u4.x86_64.rpm	Ethernet 10Gb 2-port SFP+ X710-DA2 Adapter	4.12.5-1 (B)	4.12.5-1.rhel9u4
260	Intel iavf Drivers for Red Hat Enterprise Linux 9	kmod-hp-iavf-4.12.5-1.rhel9u4.x86_64.rpm	Ethernet 10Gb 2-port 562FLR-SFP+ Adapter	4.12.5-1 (B)	4.12.5-1.rhel9u4
261	Intel iavf Drivers for Red Hat Enterprise Linux 9	kmod-hp-iavf-4.12.5-1.rhel9u4.x86_64.rpm	Ethernet 10Gb 2-port 562SFP+ Adapter	4.12.5-1 (B)	4.12.5-1.rhel9u4
262	Intel iavf Drivers for Red Hat Enterprise Linux 9	kmod-hp-iavf-4.12.5-1.rhel9u4.x86_64.rpm	Ethernet 1Gb 4-port 369i Adapter	4.12.5-1 (B)	4.12.5-1.rhel9u4
263	Intel igb Drivers for Red Hat Enterprise Linux 8	kmod-hp-igb-6.17.4-1.rhel8u9.x86_64.rpm	Ethernet 1Gb 2-port 361i Adapter	6.17.4-1	6.17.4-1.rhel8u9
264	Intel igb Drivers for Red Hat Enterprise Linux 8	kmod-hp-igb-6.17.4-1.rhel8u9.x86_64.rpm	Ethernet 1Gb 2-port 361T Adapter	6.17.4-1	6.17.4-1.rhel8u9
265	Intel igb Drivers for Red Hat Enterprise Linux 8	kmod-hp-igb-6.17.4-1.rhel8u9.x86_64.rpm	Ethernet 1Gb 4-port 366FLR Adapter	6.17.4-1	6.17.4-1.rhel8u9
266	Intel igb Drivers for Red Hat Enterprise Linux 8	kmod-hp-igb-6.17.4-1.rhel8u9.x86_64.rpm	Ethernet 1Gb 4-port 366T Adapter	6.17.4-1	6.17.4-1.rhel8u9
267	Intel igb Drivers for Red Hat Enterprise Linux 8	kmod-hp-igb-6.17.4-1.rhel8u9.x86_64.rpm	Intel I350-T4 Ethernet 1Gb 4-port BASE-T Adapter	6.17.4-1	6.17.4-1.rhel8u9
268	Intel igb Drivers for Red Hat Enterprise Linux 8	kmod-hp-igb-6.17.4-1.rhel8u9.x86_64.rpm	Intel I350-T4 Ethernet 1Gb 4-port BASE-T OCP3 Adapter	6.17.4-1	6.17.4-1.rhel8u9
269	Intel igb Drivers for Red Hat Enterprise Linux 8	kmod-hp-igb-6.17.4-1.rhel8u10.x86_64.rpm	Ethernet 1Gb 2-port 361i Adapter	6.17.4-1	6.17.4-1.rhel8u10
270	Intel igb Drivers for Red Hat Enterprise Linux 8	kmod-hp-igb-6.17.4-1.rhel8u10.x86_64.rpm	Ethernet 1Gb 2-port 361T Adapter	6.17.4-1	6.17.4-1.rhel8u10
271	Intel igb Drivers for Red Hat Enterprise Linux 8	kmod-hp-igb-6.17.4-1.rhel8u10.x86_64.rpm	Ethernet 1Gb 4-port 366FLR Adapter	6.17.4-1	6.17.4-1.rhel8u10
272	Intel igb Drivers for Red Hat Enterprise Linux 8	kmod-hp-igb-6.17.4-1.rhel8u10.x86_64.rpm	Ethernet 1Gb 4-port 366T Adapter	6.17.4-1	6.17.4-1.rhel8u10

			Adapter		
273	Intel igb Drivers for Red Hat Enterprise Linux 8	kmod-hp-igb-6.17.4-1.rhel8u10.x86_64.rpm	Intel I350-T4 Ethernet 1Gb 4-port BASE-T Adapter	6.17.4-1	6.17.4-1.rhel8u10
274	Intel igb Drivers for Red Hat Enterprise Linux 8	kmod-hp-igb-6.17.4-1.rhel8u10.x86_64.rpm	Intel I350-T4 Ethernet 1Gb 4-port BASE-T OCP3 Adapter	6.17.4-1	6.17.4-1.rhel8u10
275	Intel igb Drivers for Red Hat Enterprise Linux 9	kmod-hp-igb-5.17.4-1.rhel9u4.x86_64.rpm	Ethernet 1Gb 2-port 361i Adapter	5.17.4-1	5.17.4-1.rhel9u4
276	Intel igb Drivers for Red Hat Enterprise Linux 9	kmod-hp-igb-5.17.4-1.rhel9u4.x86_64.rpm	Ethernet 1Gb 2-port 361T Adapter	5.17.4-1	5.17.4-1.rhel9u4
277	Intel igb Drivers for Red Hat Enterprise Linux 9	kmod-hp-igb-5.17.4-1.rhel9u4.x86_64.rpm	Ethernet 1Gb 4-port 366FLR Adapter	5.17.4-1	5.17.4-1.rhel9u4
278	Intel igb Drivers for Red Hat Enterprise Linux 9	kmod-hp-igb-5.17.4-1.rhel9u4.x86_64.rpm	Ethernet 1Gb 4-port 366T Adapter	5.17.4-1	5.17.4-1.rhel9u4
279	Intel igb Drivers for Red Hat Enterprise Linux 9	kmod-hp-igb-5.17.4-1.rhel9u4.x86_64.rpm	Intel I350-T4 Ethernet 1Gb 4-port BASE-T Adapter	5.17.4-1	5.17.4-1.rhel9u4
280	Intel igb Drivers for Red Hat Enterprise Linux 9	kmod-hp-igb-5.17.4-1.rhel9u4.x86_64.rpm	Intel I350-T4 Ethernet 1Gb 4-port BASE-T OCP3 Adapter	5.17.4-1	5.17.4-1.rhel9u4
281	Intel igbn Driver for VMware vSphere 8.0	cp062161.zip	Ethernet 1Gb 2-port 361i Adapter	2024.09.00	1.12.0.0-10EM.800.1.0.20613240
282	Intel igbn Driver for VMware vSphere 8.0	cp062161.zip	Ethernet 1Gb 2-port 361T Adapter	2024.09.00	1.12.0.0-10EM.800.1.0.20613240
283	Intel igbn Driver for VMware vSphere 8.0	cp062161.zip	Ethernet 1Gb 4-port 366FLR Adapter	2024.09.00	1.12.0.0-10EM.800.1.0.20613240
284	Intel igbn Driver for VMware vSphere 8.0	cp062161.zip	Ethernet 1Gb 4-port 366T Adapter	2024.09.00	1.12.0.0-10EM.800.1.0.20613240
285	Intel igbn Driver for VMware vSphere 8.0	cp062161.zip	Intel I350-T4 Ethernet 1Gb 4-port BASE-T Adapter	2024.09.00	1.12.0.0-10EM.800.1.0.20613240
286	Intel igbn Driver for VMware vSphere 8.0	cp062161.zip	Intel I350-T4 Ethernet 1Gb 4-port BASE-T OCP3 Adapter	2024.09.00	1.12.0.0-10EM.800.1.0.20613240
287	Intel igbn Driver for VMware vSphere 9.0	cp065455.zip	Ethernet 1Gb 2-port 361i Adapter	2025.03.00	2025.03.00
288	Intel igbn Driver for VMware vSphere 9.0	cp065455.zip	Ethernet 1Gb 2-port 361T Adapter	2025.03.00	2025.03.00
289	Intel igbn Driver for VMware vSphere 9.0	cp065455.zip	Ethernet 1Gb 4-port 366FLR	2025.03.00	2025.03.00

			Adapter		
290	Intel igbn Driver for VMware vSphere 9.0	cp065455.zip	Ethernet 1Gb 4-port 366T Adapter	2025.03.00	2025.03.00
291	Intel igbn Driver for VMware vSphere 9.0	cp065455.zip	Intel I350-T4 Ethernet 1Gb 4-port BASE-T Adapter	2025.03.00	2025.03.00
292	Intel igbn Driver for VMware vSphere 9.0	cp065455.zip	Intel I350-T4 Ethernet 1Gb 4-port BASE-T OCP3 Adapter	2025.03.00	2025.03.00
293	Intel ixgbe Drivers for Red Hat Enterprise Linux 8	kmod-hp-ixgbe-5.21.5-1.rhel8u10.x86_64.rpm	Ethernet 10Gb 2-port 562FLR-T Adapter	5.21.5-1	5.21.5-1.rhel8u10
294	Intel ixgbe Drivers for Red Hat Enterprise Linux 8	kmod-hp-ixgbe-5.21.5-1.rhel8u10.x86_64.rpm	Ethernet 10Gb 2-port 562T Adapter	5.21.5-1	5.21.5-1.rhel8u10
295	Intel ixgbe Drivers for Red Hat Enterprise Linux 8	kmod-hp-ixgbe-5.21.5-1.rhel8u9.x86_64.rpm	Ethernet 10Gb 2-port 562FLR-T Adapter	5.21.5-1	5.21.5-1.rhel8u9
296	Intel ixgbe Drivers for Red Hat Enterprise Linux 8	kmod-hp-ixgbe-5.21.5-1.rhel8u9.x86_64.rpm	Ethernet 10Gb 2-port 562T Adapter	5.21.5-1	5.21.5-1.rhel8u9
297	Intel ixgbe Drivers for Red Hat Enterprise Linux 9	kmod-hp-ixgbe-5.21.5-1.rhel9u4.x86_64.rpm	Ethernet 10Gb 2-port 562FLR-T Adapter	5.21.5-1	5.21.5-1.rhel9u4
298	Intel ixgbe Drivers for Red Hat Enterprise Linux 9	kmod-hp-ixgbe-5.21.5-1.rhel9u4.x86_64.rpm	Ethernet 10Gb 2-port 562T Adapter	5.21.5-1	5.21.5-1.rhel9u4
299	Intel ixgben Driver for VMware vSphere 8.0	cp058394.zip	Ethernet 10Gb 2-port 562FLR-T Adapter	2024.03.00	1.18.2.0-10EM.800.1.0.20613240
300	Intel ixgben Driver for VMware vSphere 8.0	cp058394.zip	Ethernet 10Gb 2-port 562T Adapter	2024.03.00	1.18.2.0-10EM.800.1.0.20613240
301	Intel ixgben Driver for VMware vSphere 9.0	cp065456.zip	Ethernet 10Gb 2-port 562FLR-T Adapter	2025.03.00	2025.03.00
302	Intel ixgben Driver for VMware vSphere 9.0	cp065456.zip	Ethernet 10Gb 2-port 562T Adapter	2025.03.00	2025.03.00
303	Intel ixgbev Drivers for Red Hat Enterprise Linux 8	kmod-hp-ixgbev-4.20.5-1.rhel8u10.x86_64.rpm	Ethernet 10Gb 2-port 562FLR-T Adapter	4.20.5-1	4.20.5-1.rhel8u10
304	Intel ixgbev Drivers for Red Hat Enterprise Linux 8	kmod-hp-ixgbev-4.20.5-1.rhel8u10.x86_64.rpm	Ethernet 10Gb 2-port 562T Adapter	4.20.5-1	4.20.5-1.rhel8u10
305	Intel ixgbev Drivers for Red Hat Enterprise Linux 8	kmod-hp-ixgbev-4.20.5-1.rhel8u9.x86_64.rpm	Ethernet 10Gb 2-port 562FLR-T Adapter	4.20.5-1	4.20.5-1.rhel8u9
306	Intel ixgbev Drivers for Red Hat Enterprise Linux 8	kmod-hp-ixgbev-4.20.5-1.rhel8u9.x86_64.rpm	Ethernet 10Gb 2-port 562T Adapter	4.20.5-1	4.20.5-1.rhel8u9
307	Intel ixgbev Drivers for Red	kmod-hp-ixgbev-	Ethernet 10Gb 2-	4.20.5-1	4.20.5-

	Hat Enterprise Linux 9	4.20.5-1.rhel9u4.x86_64.rpm	port 562FLR-T Adapter		1.rhel9u4
308	Intel ixgbev Drivers for Red Hat Enterprise Linux 9	kmod-hp-ixgbev-4.20.5-1.rhel9u4.x86_64.rpm	Ethernet 10Gb 2-port 562T Adapter	4.20.5-1	4.20.5-1.rhel9u4
309	Intel ixv Driver for Windows Server 2019	cp061743.exe	Ethernet 10Gb 2-port 562FLR-T Adapter	4.1.254.0	4.1.254.0
310	Intel ixv Driver for Windows Server 2019	cp061743.exe	Ethernet 10Gb 2-port 562T Adapter	4.1.254.0	4.1.254.0
311	Intel ixv Driver for Windows Server 2022	cp064929.exe	Ethernet 10Gb 2-port 562FLR-T Adapter	4.1.254.0 (B)	4.1.254.0
312	Intel ixv Driver for Windows Server 2022	cp064929.exe	Ethernet 10Gb 2-port 562T Adapter	4.1.254.0 (B)	4.1.254.0
313	Intel ixv Driver for Windows Server 2025	cp064586.exe	Ethernet 10Gb 2-port 562FLR-T Adapter	4.2.6.0	4.2.6.0
314	Intel ixv Driver for Windows Server 2025	cp064586.exe	Ethernet 10Gb 2-port 562T Adapter	4.2.6.0	4.2.6.0
315	Mellanox CX4LX and CX5 Driver for Microsoft Windows Server 2019	cp064499.exe	Ethernet 25Gb 2-port 640 FLR-SFP28 Adapter	24.10.26603.0	24.10.26603.0
316	Mellanox CX4LX and CX5 Driver for Microsoft Windows Server 2019	cp064499.exe	Ethernet 25Gb 2-port 640SFP28 Adapter	24.10.26603.0	24.10.26603.0
317	Mellanox CX4LX and CX5 Driver for Microsoft Windows Server 2022	cp064500.exe	Ethernet 25Gb 2-port 640 FLR-SFP28 Adapter	24.10.26603.0	24.10.26603.0
318	Mellanox CX4LX and CX5 Driver for Microsoft Windows Server 2022	cp064500.exe	Ethernet 25Gb 2-port 640SFP28 Adapter	24.10.26603.0	24.10.26603.0
319	Mellanox CX4LX and CX5 Driver for Microsoft Windows Server 2025	cp064501.exe	Ethernet 25Gb 2-port 640 FLR-SFP28 Adapter	24.10.26603.0	24.10.26603.0
320	Mellanox CX4LX and CX5 Driver for Microsoft Windows Server 2025	cp064501.exe	Ethernet 25Gb 2-port 640SFP28 Adapter	24.10.26603.0	24.10.26603.0
321	Mellanox MFT prerequisite RPMs for Mellanox adapter firmware update in Secure Boot mode for Red Hat Enterprise Linux 8 Update 10 (x86_64)	kmod-kernel-mft-mlnx-4.30.0-1.rhel8u10.x86_64.rpm	Ethernet 10/25Gb 2-port SFP28 MCX512F-ACAT Adapter	4.30.0-139	4.30.0-1.rhel8u10
322	Mellanox MFT prerequisite RPMs for Mellanox adapter firmware update in Secure Boot mode for Red Hat Enterprise Linux 8 Update 10 (x86_64)	kmod-kernel-mft-mlnx-4.30.0-1.rhel8u10.x86_64.rpm	Ethernet 10/25Gb 2-port SFP28 MCX562A-ACAI OCP3 Adapter	4.30.0-139	4.30.0-1.rhel8u10
323	Mellanox MFT prerequisite RPMs for Mellanox adapter	kmod-kernel-mft-mlnx-4.30.0-	100GbE 1p QSFP28	4.30.0-139	4.30.0-1.rhel8u10

	firmware update in Secure Boot mode for Red Hat Enterprise Linux 8 Update 10 (x86_64)	1.rhel8u10.x86_64.rpm	MCX515A-CCAT Adptr		
324	Mellanox MFT prerequisite RPMs for Mellanox adapter firmware update in Secure Boot mode for Red Hat Enterprise Linux 8 Update 10 (x86_64)	kmod-kernel-mft-mlnx-4.30.0-1.rhel8u10.x86_64.rpm	Ethernet 100Gb 2-port QSFP56 MCX623106AS-CDAT Adapter	4.30.0-139	4.30.0-1.rhel8u10
325	Mellanox MFT prerequisite RPMs for Mellanox adapter firmware update in Secure Boot mode for Red Hat Enterprise Linux 8 Update 10 (x86_64)	kmod-kernel-mft-mlnx-4.30.0-1.rhel8u10.x86_64.rpm	InfiniBand HDR100/Ethernet 100Gb 2-port 940QSFP56 x16 Adapter	4.30.0-139	4.30.0-1.rhel8u10
326	Mellanox MFT prerequisite RPMs for Mellanox adapter firmware update in Secure Boot mode for Red Hat Enterprise Linux 8 Update 10 (x86_64)	kmod-kernel-mft-mlnx-4.30.0-1.rhel8u10.x86_64.rpm	IB HDR100/EN 100Gb 2p QSFP56 Adptr	4.30.0-139	4.30.0-1.rhel8u10
327	Mellanox MFT prerequisite RPMs for Mellanox adapter firmware update in Secure Boot mode for Red Hat Enterprise Linux 8 Update 10 (x86_64)	mft-4.30.0-139.rhel8u10.x86_64.rpm	Ethernet 10/25Gb 2-port SFP28 MCX512F-ACAT Adapter	4.30.0-139	4.30.0-139.rhel8u10
328	Mellanox MFT prerequisite RPMs for Mellanox adapter firmware update in Secure Boot mode for Red Hat Enterprise Linux 8 Update 10 (x86_64)	mft-4.30.0-139.rhel8u10.x86_64.rpm	Ethernet 10/25Gb 2-port SFP28 MCX562A-ACAI OCP3 Adapter	4.30.0-139	4.30.0-139.rhel8u10
329	Mellanox MFT prerequisite RPMs for Mellanox adapter firmware update in Secure Boot mode for Red Hat Enterprise Linux 8 Update 10 (x86_64)	mft-4.30.0-139.rhel8u10.x86_64.rpm	100GbE 1p QSFP28 MCX515A-CCAT Adptr	4.30.0-139	4.30.0-139.rhel8u10
330	Mellanox MFT prerequisite RPMs for Mellanox adapter firmware update in Secure Boot mode for Red Hat Enterprise Linux 8 Update 10 (x86_64)	mft-4.30.0-139.rhel8u10.x86_64.rpm	Ethernet 100Gb 2-port QSFP56 MCX623106AS-CDAT Adapter	4.30.0-139	4.30.0-139.rhel8u10
331	Mellanox MFT prerequisite RPMs for Mellanox adapter firmware update in Secure Boot mode for Red Hat Enterprise Linux 8 Update 10 (x86_64)	mft-4.30.0-139.rhel8u10.x86_64.rpm	InfiniBand HDR100/Ethernet 100Gb 2-port 940QSFP56 x16 Adapter	4.30.0-139	4.30.0-139.rhel8u10
332	Mellanox MFT prerequisite RPMs for Mellanox adapter firmware update in Secure	mft-4.30.0-139.rhel8u10.x86_64.rpm	IB HDR100/EN 100Gb 2p QSFP56 Adptr	4.30.0-139	4.30.0-139.rhel8u10

	Boot mode for Red Hat Enterprise Linux 8 Update 10 (x86_64)				
333	Mellanox MFT prerequisite RPMs for Mellanox adapter firmware update in Secure Boot mode for Red Hat Enterprise Linux 8 Update 9 (x86_64)	mft-4.30.0-139.rhel8u9.x86_64.rpm	Ethernet 10/25Gb 2-port SFP28 MCX512F-ACAT Adapter	4.30.0-139	4.30.0-139.rhel8u9
334	Mellanox MFT prerequisite RPMs for Mellanox adapter firmware update in Secure Boot mode for Red Hat Enterprise Linux 8 Update 9 (x86_64)	mft-4.30.0-139.rhel8u9.x86_64.rpm	Ethernet 10/25Gb 2-port SFP28 MCX562A-ACAI OCP3 Adapter	4.30.0-139	4.30.0-139.rhel8u9
335	Mellanox MFT prerequisite RPMs for Mellanox adapter firmware update in Secure Boot mode for Red Hat Enterprise Linux 8 Update 9 (x86_64)	mft-4.30.0-139.rhel8u9.x86_64.rpm	100GbE 1p QSFP28 MCX515A-CCAT Adptr	4.30.0-139	4.30.0-139.rhel8u9
336	Mellanox MFT prerequisite RPMs for Mellanox adapter firmware update in Secure Boot mode for Red Hat Enterprise Linux 8 Update 9 (x86_64)	mft-4.30.0-139.rhel8u9.x86_64.rpm	Ethernet 100Gb 2-port QSFP56 MCX623106AS-CDAT Adapter	4.30.0-139	4.30.0-139.rhel8u9
337	Mellanox MFT prerequisite RPMs for Mellanox adapter firmware update in Secure Boot mode for Red Hat Enterprise Linux 8 Update 9 (x86_64)	mft-4.30.0-139.rhel8u9.x86_64.rpm	InfiniBand HDR100/Ethernet 100Gb 2-port 940QSFP56 x16 Adapter	4.30.0-139	4.30.0-139.rhel8u9
338	Mellanox MFT prerequisite RPMs for Mellanox adapter firmware update in Secure Boot mode for Red Hat Enterprise Linux 8 Update 9 (x86_64)	mft-4.30.0-139.rhel8u9.x86_64.rpm	IB HDR100/EN 100Gb 2p QSFP56 Adptr	4.30.0-139	4.30.0-139.rhel8u9
339	Mellanox MFT prerequisite RPMs for Mellanox adapter firmware update in Secure Boot mode for Red Hat Enterprise Linux 8 Update 9 (x86_64)	kmod-kernel-mft-mlnx-4.30.0-1.rhel8u9.x86_64.rpm	Ethernet 10/25Gb 2-port SFP28 MCX512F-ACAT Adapter	4.30.0-139	4.30.0-1.rhel8u9
340	Mellanox MFT prerequisite RPMs for Mellanox adapter firmware update in Secure Boot mode for Red Hat Enterprise Linux 8 Update 9 (x86_64)	kmod-kernel-mft-mlnx-4.30.0-1.rhel8u9.x86_64.rpm	Ethernet 10/25Gb 2-port SFP28 MCX562A-ACAI OCP3 Adapter	4.30.0-139	4.30.0-1.rhel8u9
341	Mellanox MFT prerequisite RPMs for Mellanox adapter firmware update in Secure Boot mode for Red Hat	kmod-kernel-mft-mlnx-4.30.0-1.rhel8u9.x86_64.rpm	100GbE 1p QSFP28 MCX515A-CCAT Adptr	4.30.0-139	4.30.0-1.rhel8u9

	Enterprise Linux 8 Update 9 (x86_64)				
342	Mellanox MFT prerequisite RPMs for Mellanox adapter firmware update in Secure Boot mode for Red Hat Enterprise Linux 8 Update 9 (x86_64)	kmod-kernel-mft-mlnx-4.30.0-1.rhel8u9.x86_64.rpm	Ethernet 100Gb 2-port QSFP56 MCX623106AS-CDAT Adapter	4.30.0-139	4.30.0-1.rhel8u9
343	Mellanox MFT prerequisite RPMs for Mellanox adapter firmware update in Secure Boot mode for Red Hat Enterprise Linux 8 Update 9 (x86_64)	kmod-kernel-mft-mlnx-4.30.0-1.rhel8u9.x86_64.rpm	InfiniBand HDR100/Ethernet 100Gb 2-port 940QSFP56 x16 Adapter	4.30.0-139	4.30.0-1.rhel8u9
344	Mellanox MFT prerequisite RPMs for Mellanox adapter firmware update in Secure Boot mode for Red Hat Enterprise Linux 8 Update 9 (x86_64)	kmod-kernel-mft-mlnx-4.30.0-1.rhel8u9.x86_64.rpm	IB HDR100/EN 100Gb 2p QSFP56 Adptr	4.30.0-139	4.30.0-1.rhel8u9
345	Mellanox MFT prerequisite RPMs for Mellanox adapter firmware update in Secure Boot mode for Red Hat Enterprise Linux 9 Update 4 (x86_64)	kmod-kernel-mft-mlnx-4.30.0-1.rhel9u4.x86_64.rpm	Ethernet 10/25Gb 2-port SFP28 MCX512F-ACAT Adapter	4.30.0-139	4.30.0-1.rhel9u4
346	Mellanox MFT prerequisite RPMs for Mellanox adapter firmware update in Secure Boot mode for Red Hat Enterprise Linux 9 Update 4 (x86_64)	kmod-kernel-mft-mlnx-4.30.0-1.rhel9u4.x86_64.rpm	Ethernet 10/25Gb 2-port SFP28 MCX562A-ACAI OCP3 Adapter	4.30.0-139	4.30.0-1.rhel9u4
347	Mellanox MFT prerequisite RPMs for Mellanox adapter firmware update in Secure Boot mode for Red Hat Enterprise Linux 9 Update 4 (x86_64)	kmod-kernel-mft-mlnx-4.30.0-1.rhel9u4.x86_64.rpm	100GbE 1p QSFP28 MCX515A-CCAT Adptr	4.30.0-139	4.30.0-1.rhel9u4
348	Mellanox MFT prerequisite RPMs for Mellanox adapter firmware update in Secure Boot mode for Red Hat Enterprise Linux 9 Update 4 (x86_64)	kmod-kernel-mft-mlnx-4.30.0-1.rhel9u4.x86_64.rpm	Ethernet 100Gb 2-port QSFP56 MCX623106AS-CDAT Adapter	4.30.0-139	4.30.0-1.rhel9u4
349	Mellanox MFT prerequisite RPMs for Mellanox adapter firmware update in Secure Boot mode for Red Hat Enterprise Linux 9 Update 4 (x86_64)	kmod-kernel-mft-mlnx-4.30.0-1.rhel9u4.x86_64.rpm	InfiniBand HDR100/Ethernet 100Gb 2-port 940QSFP56 x16 Adapter	4.30.0-139	4.30.0-1.rhel9u4
350	Mellanox MFT prerequisite RPMs for Mellanox adapter firmware update in Secure Boot mode for Red Hat Enterprise Linux 9 Update 4	kmod-kernel-mft-mlnx-4.30.0-1.rhel9u4.x86_64.rpm	IB HDR100/EN 100Gb 2p QSFP56 Adptr	4.30.0-139	4.30.0-1.rhel9u4

	(x86_64)				
351	Mellanox MFT prerequisite RPMs for Mellanox adapter firmware update in Secure Boot mode for Red Hat Enterprise Linux 9 Update 4 (x86_64)	mft-4.30.0-139.rhel9u4.x86_64.rpm	Ethernet 10/25Gb 2-port SFP28 MCX512F-ACAT Adapter	4.30.0-139	4.30.0-139.rhel9u4
352	Mellanox MFT prerequisite RPMs for Mellanox adapter firmware update in Secure Boot mode for Red Hat Enterprise Linux 9 Update 4 (x86_64)	mft-4.30.0-139.rhel9u4.x86_64.rpm	Ethernet 10/25Gb 2-port SFP28 MCX562A-ACAI OCP3 Adapter	4.30.0-139	4.30.0-139.rhel9u4
353	Mellanox MFT prerequisite RPMs for Mellanox adapter firmware update in Secure Boot mode for Red Hat Enterprise Linux 9 Update 4 (x86_64)	mft-4.30.0-139.rhel9u4.x86_64.rpm	100GbE 1p QSFP28 MCX515A-CCAT Adptr	4.30.0-139	4.30.0-139.rhel9u4
354	Mellanox MFT prerequisite RPMs for Mellanox adapter firmware update in Secure Boot mode for Red Hat Enterprise Linux 9 Update 4 (x86_64)	mft-4.30.0-139.rhel9u4.x86_64.rpm	Ethernet 100Gb 2-port QSFP56 MCX623106AS-CDAT Adapter	4.30.0-139	4.30.0-139.rhel9u4
355	Mellanox MFT prerequisite RPMs for Mellanox adapter firmware update in Secure Boot mode for Red Hat Enterprise Linux 9 Update 4 (x86_64)	mft-4.30.0-139.rhel9u4.x86_64.rpm	InfiniBand HDR100/Ethernet 100Gb 2-port 940QSFP56 x16 Adapter	4.30.0-139	4.30.0-139.rhel9u4
356	Mellanox MFT prerequisite RPMs for Mellanox adapter firmware update in Secure Boot mode for Red Hat Enterprise Linux 9 Update 4 (x86_64)	mft-4.30.0-139.rhel9u4.x86_64.rpm	IB HDR100/EN 100Gb 2p QSFP56 Adptr	4.30.0-139	4.30.0-139.rhel9u4
357	Mellanox RoCE ConnectX-4, ConnectX-5, ConnectX-6 and ConnectX-7 Driver for Red Hat Enterprise Linux 8 Update 10 (x86_64)	kmod-mlnx-ofa_kernel-24.10-OFED.24.10.0.7.0.1.rhel8u10.x86_64.rpm	MLX MCX631102 10/25GbE 2p SFP28 Adptr	24.10-0.7.0.1	24.10-OFED.24.10.0.7.0.1.rhel8u10
358	Mellanox RoCE ConnectX-4, ConnectX-5, ConnectX-6 and ConnectX-7 Driver for Red Hat Enterprise Linux 8 Update 10 (x86_64)	kmod-mlnx-ofa_kernel-24.10-OFED.24.10.0.7.0.1.rhel8u10.x86_64.rpm	MLX MCX6314 10/25GbE 2p SFP28 OCP3 Adptr	24.10-0.7.0.1	24.10-OFED.24.10.0.7.0.1.rhel8u10
359	Mellanox RoCE ConnectX-4, ConnectX-5, ConnectX-6 and ConnectX-7 Driver for Red Hat Enterprise Linux 8 Update 10 (x86_64)	kmod-mlnx-ofa_kernel-24.10-OFED.24.10.0.7.0.1.rhel8u10.x86_64.rpm	Ethernet 10/25Gb 2-port SFP28 MCX512F-ACAT Adapter	24.10-0.7.0.1	24.10-OFED.24.10.0.7.0.1.rhel8u10
360	Mellanox RoCE ConnectX-4, ConnectX-5, ConnectX-6 and ConnectX-7 Driver for Red Hat	kmod-mlnx-ofa_kernel-24.10-OFED.24.10.0.7.0.1.rhel	Ethernet 10/25Gb 2-port SFP28 MCX562A-	24.10-0.7.0.1	24.10-OFED.24.10.0.7.0.1.rhel8u10

	Enterprise Linux 8 Update 10 (x86_64)	8u10.x86_64.rpm	ACAI OCP3 Adapter		0
361	Mellanox RoCE ConnectX-4, ConnectX-5, ConnectX-6 and ConnectX-7 Driver for Red Hat Enterprise Linux 8 Update 10 (x86_64)	kmod-mlnx-ofa_kernel-24.10-OFED.24.10.0.7.0.1.rhel8u10.x86_64.rpm	100GbE 1p QSFP28 MCX515A-CCAT Adptr	24.10-0.7.0.1	24.10-OFED.24.10.0.7.0.1.rhel8u10
362	Mellanox RoCE ConnectX-4, ConnectX-5, ConnectX-6 and ConnectX-7 Driver for Red Hat Enterprise Linux 8 Update 10 (x86_64)	kmod-mlnx-ofa_kernel-24.10-OFED.24.10.0.7.0.1.rhel8u10.x86_64.rpm	Ethernet 100Gb 2-port QSFP56 MCX623106AS-CDAT Adapter	24.10-0.7.0.1	24.10-OFED.24.10.0.7.0.1.rhel8u10
363	Mellanox RoCE ConnectX-4, ConnectX-5, ConnectX-6 and ConnectX-7 Driver for Red Hat Enterprise Linux 8 Update 10 (x86_64)	kmod-mlnx-ofa_kernel-24.10-OFED.24.10.0.7.0.1.rhel8u10.x86_64.rpm	Ethernet 25Gb 2-port 640 FLR-SFP28 Adapter	24.10-0.7.0.1	24.10-OFED.24.10.0.7.0.1.rhel8u10
364	Mellanox RoCE ConnectX-4, ConnectX-5, ConnectX-6 and ConnectX-7 Driver for Red Hat Enterprise Linux 8 Update 10 (x86_64)	kmod-mlnx-ofa_kernel-24.10-OFED.24.10.0.7.0.1.rhel8u10.x86_64.rpm	Ethernet 25Gb 2-port 640SFP28 Adapter	24.10-0.7.0.1	24.10-OFED.24.10.0.7.0.1.rhel8u10
365	Mellanox RoCE ConnectX-4, ConnectX-5, ConnectX-6 and ConnectX-7 Driver for Red Hat Enterprise Linux 8 Update 10 (x86_64)	kmod-mlnx-ofa_kernel-24.10-OFED.24.10.0.7.0.1.rhel8u10.x86_64.rpm	InfiniBand EDR/Ethernet 100Gb 2-port 841QSFP28 Adapter	24.10-0.7.0.1	24.10-OFED.24.10.0.7.0.1.rhel8u10
366	Mellanox RoCE ConnectX-4, ConnectX-5, ConnectX-6 and ConnectX-7 Driver for Red Hat Enterprise Linux 8 Update 10 (x86_64)	kmod-mlnx-ofa_kernel-24.10-OFED.24.10.0.7.0.1.rhel8u10.x86_64.rpm	InfiniBand HDR100/Ethernet 100Gb 2-port 940QSFP56 x16 Adapter	24.10-0.7.0.1	24.10-OFED.24.10.0.7.0.1.rhel8u10
367	Mellanox RoCE ConnectX-4, ConnectX-5, ConnectX-6 and ConnectX-7 Driver for Red Hat Enterprise Linux 8 Update 10 (x86_64)	kmod-mlnx-ofa_kernel-24.10-OFED.24.10.0.7.0.1.rhel8u10.x86_64.rpm	IB HDR100/EN 100Gb 2p QSFP56 Adptr	24.10-0.7.0.1	24.10-OFED.24.10.0.7.0.1.rhel8u10
368	Mellanox RoCE ConnectX-4, ConnectX-5, ConnectX-6 and ConnectX-7 Driver for Red Hat Enterprise Linux 8 Update 10 (x86_64)	mlnx-ofa_kernel-24.10-OFED.24.10.0.7.0.1.rhel8u10.x86_64.rpm	MLX MCX631102 10/25GbE 2p SFP28 Adptr	24.10-0.7.0.1	24.10-OFED.24.10.0.7.0.1.rhel8u10
369	Mellanox RoCE ConnectX-4, ConnectX-5, ConnectX-6 and ConnectX-7 Driver for Red Hat Enterprise Linux 8 Update 10 (x86_64)	mlnx-ofa_kernel-24.10-OFED.24.10.0.7.0.1.rhel8u10.x86_64.rpm	MLX MCX6314 10/25GbE 2p SFP28 OCP3 Adptr	24.10-0.7.0.1	24.10-OFED.24.10.0.7.0.1.rhel8u10
370	Mellanox RoCE ConnectX-4, ConnectX-5, ConnectX-6 and ConnectX-7 Driver for Red Hat Enterprise Linux 8 Update 10 (x86_64)	mlnx-ofa_kernel-24.10-OFED.24.10.0.7.0.1.rhel8u10.x86_64.rpm	Ethernet 10/25Gb 2-port SFP28 MCX512F-ACAT Adapter	24.10-0.7.0.1	24.10-OFED.24.10.0.7.0.1.rhel8u10
371	Mellanox RoCE ConnectX-4, ConnectX-5, ConnectX-6 and ConnectX-7 Driver for Red Hat	mlnx-ofa_kernel-24.10-OFED.24.10.0.7.0.1.rhel8u10.x86_64.rpm	Ethernet 10/25Gb 2-port SFP28 MCX562A-	24.10-0.7.0.1	24.10-OFED.24.10.0.7.0.1.rhel8u10

	Enterprise Linux 8 Update 10 (x86_64)		ACAI OCP3 Adapter		0
372	Mellanox RoCE ConnectX-4, ConnectX-5, ConnectX-6 and ConnectX-7 Driver for Red Hat Enterprise Linux 8 Update 10 (x86_64)	mlnx-ofa_kernel-24.10-OFED.24.10.0.7.0.1.rhel8u10.x86_64.rpm	100GbE 1p QSFP28 MCX515A-CCAT Adptr	24.10-0.7.0.1	24.10-OFED.24.10.0.7.0.1.rhel8u10
373	Mellanox RoCE ConnectX-4, ConnectX-5, ConnectX-6 and ConnectX-7 Driver for Red Hat Enterprise Linux 8 Update 10 (x86_64)	mlnx-ofa_kernel-24.10-OFED.24.10.0.7.0.1.rhel8u10.x86_64.rpm	Ethernet 100Gb 2-port QSFP56 MCX623106AS-CDAT Adapter	24.10-0.7.0.1	24.10-OFED.24.10.0.7.0.1.rhel8u10
374	Mellanox RoCE ConnectX-4, ConnectX-5, ConnectX-6 and ConnectX-7 Driver for Red Hat Enterprise Linux 8 Update 10 (x86_64)	mlnx-ofa_kernel-24.10-OFED.24.10.0.7.0.1.rhel8u10.x86_64.rpm	Ethernet 25Gb 2-port 640 FLR-SFP28 Adapter	24.10-0.7.0.1	24.10-OFED.24.10.0.7.0.1.rhel8u10
375	Mellanox RoCE ConnectX-4, ConnectX-5, ConnectX-6 and ConnectX-7 Driver for Red Hat Enterprise Linux 8 Update 10 (x86_64)	mlnx-ofa_kernel-24.10-OFED.24.10.0.7.0.1.rhel8u10.x86_64.rpm	Ethernet 25Gb 2-port 640SFP28 Adapter	24.10-0.7.0.1	24.10-OFED.24.10.0.7.0.1.rhel8u10
376	Mellanox RoCE ConnectX-4, ConnectX-5, ConnectX-6 and ConnectX-7 Driver for Red Hat Enterprise Linux 8 Update 10 (x86_64)	mlnx-ofa_kernel-24.10-OFED.24.10.0.7.0.1.rhel8u10.x86_64.rpm	InfiniBand EDR/Ethernet 100Gb 2-port 841QSFP28 Adapter	24.10-0.7.0.1	24.10-OFED.24.10.0.7.0.1.rhel8u10
377	Mellanox RoCE ConnectX-4, ConnectX-5, ConnectX-6 and ConnectX-7 Driver for Red Hat Enterprise Linux 8 Update 10 (x86_64)	mlnx-ofa_kernel-24.10-OFED.24.10.0.7.0.1.rhel8u10.x86_64.rpm	InfiniBand HDR100/Ethernet 100Gb 2-port 940QSFP56 x16 Adapter	24.10-0.7.0.1	24.10-OFED.24.10.0.7.0.1.rhel8u10
378	Mellanox RoCE ConnectX-4, ConnectX-5, ConnectX-6 and ConnectX-7 Driver for Red Hat Enterprise Linux 8 Update 10 (x86_64)	mlnx-ofa_kernel-24.10-OFED.24.10.0.7.0.1.rhel8u10.x86_64.rpm	IB HDR100/EN 100Gb 2p QSFP56 Adptr	24.10-0.7.0.1	24.10-OFED.24.10.0.7.0.1.rhel8u10
379	Mellanox RoCE ConnectX-4, ConnectX-5, ConnectX-6 and ConnectX-7 Driver for Red Hat Enterprise Linux 8 Update 9 (x86_64)	mlnx-ofa_kernel-24.10-OFED.24.10.0.7.0.1.rhel8u9.x86_64.rpm	MLX MCX631102 10/25GbE 2p SFP28 Adptr	24.10-0.7.0.1	24.10-OFED.24.10.0.7.0.1.rhel8u9
380	Mellanox RoCE ConnectX-4, ConnectX-5, ConnectX-6 and ConnectX-7 Driver for Red Hat Enterprise Linux 8 Update 9 (x86_64)	mlnx-ofa_kernel-24.10-OFED.24.10.0.7.0.1.rhel8u9.x86_64.rpm	MLX MCX6314 10/25GbE 2p SFP28 OCP3 Adptr	24.10-0.7.0.1	24.10-OFED.24.10.0.7.0.1.rhel8u9
381	Mellanox RoCE ConnectX-4, ConnectX-5, ConnectX-6 and ConnectX-7 Driver for Red Hat Enterprise Linux 8 Update 9 (x86_64)	mlnx-ofa_kernel-24.10-OFED.24.10.0.7.0.1.rhel8u9.x86_64.rpm	Ethernet 10/25Gb 2-port SFP28 MCX512F-ACAT Adapter	24.10-0.7.0.1	24.10-OFED.24.10.0.7.0.1.rhel8u9
382	Mellanox RoCE ConnectX-4, ConnectX-5, ConnectX-6 and ConnectX-7 Driver for Red Hat	mlnx-ofa_kernel-24.10-OFED.24.10.0.7.0.1.rhel8u9.x86_64.rpm	Ethernet 10/25Gb 2-port SFP28 MCX562A-	24.10-0.7.0.1	24.10-OFED.24.10.0.7.0.1.rhel8u9

	Enterprise Linux 8 Update 9 (x86_64)		ACAI OCP3 Adapter		
383	Mellanox RoCE ConnectX-4, ConnectX-5, ConnectX-6 and ConnectX-7 Driver for Red Hat Enterprise Linux 8 Update 9 (x86_64)	mlnx-ofa_kernel-24.10-OFED.24.10.0.7.0.1.rhel8u9.x86_64.rpm	100GbE 1p QSFP28 MCX515A-CCAT Adptr	24.10-0.7.0.1	24.10-OFED.24.10.0.7.0.1.rhel8u9
384	Mellanox RoCE ConnectX-4, ConnectX-5, ConnectX-6 and ConnectX-7 Driver for Red Hat Enterprise Linux 8 Update 9 (x86_64)	mlnx-ofa_kernel-24.10-OFED.24.10.0.7.0.1.rhel8u9.x86_64.rpm	Ethernet 100Gb 2-port QSFP56 MCX623106AS-CDAT Adapter	24.10-0.7.0.1	24.10-OFED.24.10.0.7.0.1.rhel8u9
385	Mellanox RoCE ConnectX-4, ConnectX-5, ConnectX-6 and ConnectX-7 Driver for Red Hat Enterprise Linux 8 Update 9 (x86_64)	mlnx-ofa_kernel-24.10-OFED.24.10.0.7.0.1.rhel8u9.x86_64.rpm	Ethernet 25Gb 2-port 640 FLR-SFP28 Adapter	24.10-0.7.0.1	24.10-OFED.24.10.0.7.0.1.rhel8u9
386	Mellanox RoCE ConnectX-4, ConnectX-5, ConnectX-6 and ConnectX-7 Driver for Red Hat Enterprise Linux 8 Update 9 (x86_64)	mlnx-ofa_kernel-24.10-OFED.24.10.0.7.0.1.rhel8u9.x86_64.rpm	Ethernet 25Gb 2-port 640SFP28 Adapter	24.10-0.7.0.1	24.10-OFED.24.10.0.7.0.1.rhel8u9
387	Mellanox RoCE ConnectX-4, ConnectX-5, ConnectX-6 and ConnectX-7 Driver for Red Hat Enterprise Linux 8 Update 9 (x86_64)	mlnx-ofa_kernel-24.10-OFED.24.10.0.7.0.1.rhel8u9.x86_64.rpm	InfiniBand EDR/Ethernet 100Gb 2-port 841QSFP28 Adapter	24.10-0.7.0.1	24.10-OFED.24.10.0.7.0.1.rhel8u9
388	Mellanox RoCE ConnectX-4, ConnectX-5, ConnectX-6 and ConnectX-7 Driver for Red Hat Enterprise Linux 8 Update 9 (x86_64)	mlnx-ofa_kernel-24.10-OFED.24.10.0.7.0.1.rhel8u9.x86_64.rpm	InfiniBand HDR100/Ethernet 100Gb 2-port 940QSFP56 x16 Adapter	24.10-0.7.0.1	24.10-OFED.24.10.0.7.0.1.rhel8u9
389	Mellanox RoCE ConnectX-4, ConnectX-5, ConnectX-6 and ConnectX-7 Driver for Red Hat Enterprise Linux 8 Update 9 (x86_64)	mlnx-ofa_kernel-24.10-OFED.24.10.0.7.0.1.rhel8u9.x86_64.rpm	IB HDR100/EN 100Gb 2p QSFP56 Adptr	24.10-0.7.0.1	24.10-OFED.24.10.0.7.0.1.rhel8u9
390	Mellanox RoCE ConnectX-4, ConnectX-5, ConnectX-6 and ConnectX-7 Driver for Red Hat Enterprise Linux 8 Update 9 (x86_64)	kmod-mlnx-ofa_kernel-24.10-OFED.24.10.0.7.0.1.rhel8u9.x86_64.rpm	MLX MCX631102 10/25GbE 2p SFP28 Adptr	24.10-0.7.0.1	24.10-OFED.24.10.0.7.0.1.rhel8u9
391	Mellanox RoCE ConnectX-4, ConnectX-5, ConnectX-6 and ConnectX-7 Driver for Red Hat Enterprise Linux 8 Update 9 (x86_64)	kmod-mlnx-ofa_kernel-24.10-OFED.24.10.0.7.0.1.rhel8u9.x86_64.rpm	MLX MCX6314 10/25GbE 2p SFP28 OCP3 Adptr	24.10-0.7.0.1	24.10-OFED.24.10.0.7.0.1.rhel8u9
392	Mellanox RoCE ConnectX-4, ConnectX-5, ConnectX-6 and ConnectX-7 Driver for Red Hat Enterprise Linux 8 Update 9 (x86_64)	kmod-mlnx-ofa_kernel-24.10-OFED.24.10.0.7.0.1.rhel8u9.x86_64.rpm	Ethernet 10/25Gb 2-port SFP28 MCX512F-ACAT Adapter	24.10-0.7.0.1	24.10-OFED.24.10.0.7.0.1.rhel8u9
393	Mellanox RoCE ConnectX-4, ConnectX-5, ConnectX-6 and ConnectX-7 Driver for Red Hat	kmod-mlnx-ofa_kernel-24.10-OFED.24.10.0.7.0.1.rhel	Ethernet 10/25Gb 2-port SFP28 MCX562A-	24.10-0.7.0.1	24.10-OFED.24.10.0.7.0.1.rhel8u9

	Enterprise Linux 8 Update 9 (x86_64)	8u9.x86_64.rpm	ACAI OCP3 Adapter		
394	Mellanox RoCE ConnectX-4, ConnectX-5, ConnectX-6 and ConnectX-7 Driver for Red Hat Enterprise Linux 8 Update 9 (x86_64)	kmod-mlnx-ofa_kernel-24.10-OFED.24.10.0.7.0.1.rhel8u9.x86_64.rpm	100GbE 1p QSFP28 MCX515A-CCAT Adptr	24.10-0.7.0.1	24.10-OFED.24.10.0.7.0.1.rhel8u9
395	Mellanox RoCE ConnectX-4, ConnectX-5, ConnectX-6 and ConnectX-7 Driver for Red Hat Enterprise Linux 8 Update 9 (x86_64)	kmod-mlnx-ofa_kernel-24.10-OFED.24.10.0.7.0.1.rhel8u9.x86_64.rpm	Ethernet 100Gb 2-port QSFP56 MCX623106AS-CDAT Adapter	24.10-0.7.0.1	24.10-OFED.24.10.0.7.0.1.rhel8u9
396	Mellanox RoCE ConnectX-4, ConnectX-5, ConnectX-6 and ConnectX-7 Driver for Red Hat Enterprise Linux 8 Update 9 (x86_64)	kmod-mlnx-ofa_kernel-24.10-OFED.24.10.0.7.0.1.rhel8u9.x86_64.rpm	Ethernet 25Gb 2-port 640 FLR-SFP28 Adapter	24.10-0.7.0.1	24.10-OFED.24.10.0.7.0.1.rhel8u9
397	Mellanox RoCE ConnectX-4, ConnectX-5, ConnectX-6 and ConnectX-7 Driver for Red Hat Enterprise Linux 8 Update 9 (x86_64)	kmod-mlnx-ofa_kernel-24.10-OFED.24.10.0.7.0.1.rhel8u9.x86_64.rpm	Ethernet 25Gb 2-port 640SFP28 Adapter	24.10-0.7.0.1	24.10-OFED.24.10.0.7.0.1.rhel8u9
398	Mellanox RoCE ConnectX-4, ConnectX-5, ConnectX-6 and ConnectX-7 Driver for Red Hat Enterprise Linux 8 Update 9 (x86_64)	kmod-mlnx-ofa_kernel-24.10-OFED.24.10.0.7.0.1.rhel8u9.x86_64.rpm	InfiniBand EDR/Ethernet 100Gb 2-port 841QSFP28 Adapter	24.10-0.7.0.1	24.10-OFED.24.10.0.7.0.1.rhel8u9
399	Mellanox RoCE ConnectX-4, ConnectX-5, ConnectX-6 and ConnectX-7 Driver for Red Hat Enterprise Linux 8 Update 9 (x86_64)	kmod-mlnx-ofa_kernel-24.10-OFED.24.10.0.7.0.1.rhel8u9.x86_64.rpm	InfiniBand HDR100/Ethernet 100Gb 2-port 940QSFP56 x16 Adapter	24.10-0.7.0.1	24.10-OFED.24.10.0.7.0.1.rhel8u9
400	Mellanox RoCE ConnectX-4, ConnectX-5, ConnectX-6 and ConnectX-7 Driver for Red Hat Enterprise Linux 8 Update 9 (x86_64)	kmod-mlnx-ofa_kernel-24.10-OFED.24.10.0.7.0.1.rhel8u9.x86_64.rpm	IB HDR100/EN 100Gb 2p QSFP56 Adptr	24.10-0.7.0.1	24.10-OFED.24.10.0.7.0.1.rhel8u9
401	Mellanox RoCE ConnectX-4, ConnectX-5, ConnectX-6 and ConnectX-7 Driver for Red Hat Enterprise Linux 9 Update 4 (x86_64)	mlnx-ofa_kernel-24.10-OFED.24.10.0.7.0.1.rhel9u4.x86_64.rpm	MLX MCX631102 10/25GbE 2p SFP28 Adptr	24.10-0.7.0.1	24.10-OFED.24.10.0.7.0.1.rhel9u4
402	Mellanox RoCE ConnectX-4, ConnectX-5, ConnectX-6 and ConnectX-7 Driver for Red Hat Enterprise Linux 9 Update 4 (x86_64)	mlnx-ofa_kernel-24.10-OFED.24.10.0.7.0.1.rhel9u4.x86_64.rpm	MLX MCX6314 10/25GbE 2p SFP28 OCP3 Adptr	24.10-0.7.0.1	24.10-OFED.24.10.0.7.0.1.rhel9u4
403	Mellanox RoCE ConnectX-4, ConnectX-5, ConnectX-6 and ConnectX-7 Driver for Red Hat Enterprise Linux 9 Update 4 (x86_64)	mlnx-ofa_kernel-24.10-OFED.24.10.0.7.0.1.rhel9u4.x86_64.rpm	Ethernet 10/25Gb 2-port SFP28 MCX512F-ACAT Adapter	24.10-0.7.0.1	24.10-OFED.24.10.0.7.0.1.rhel9u4
404	Mellanox RoCE ConnectX-4, ConnectX-5, ConnectX-6 and ConnectX-7 Driver for Red Hat	mlnx-ofa_kernel-24.10-OFED.24.10.0.7.0.1.rhel9u4.x86_64.rpm	Ethernet 10/25Gb 2-port SFP28 MCX562A-	24.10-0.7.0.1	24.10-OFED.24.10.0.7.0.1.rhel9u4

	Enterprise Linux 9 Update 4 (x86_64)		ACAI OCP3 Adapter		
405	Mellanox RoCE ConnectX-4, ConnectX-5, ConnectX-6 and ConnectX-7 Driver for Red Hat Enterprise Linux 9 Update 4 (x86_64)	mlnx-ofa_kernel-24.10-OFED.24.10.0.7.0.1.rhel9u4.x86_64.rpm	100GbE 1p QSFP28 MCX515A-CCAT Adptr	24.10-0.7.0.1	24.10-OFED.24.10.0.7.0.1.rhel9u4
406	Mellanox RoCE ConnectX-4, ConnectX-5, ConnectX-6 and ConnectX-7 Driver for Red Hat Enterprise Linux 9 Update 4 (x86_64)	mlnx-ofa_kernel-24.10-OFED.24.10.0.7.0.1.rhel9u4.x86_64.rpm	Ethernet 100Gb 2-port QSFP56 MCX623106AS-CDAT Adapter	24.10-0.7.0.1	24.10-OFED.24.10.0.7.0.1.rhel9u4
407	Mellanox RoCE ConnectX-4, ConnectX-5, ConnectX-6 and ConnectX-7 Driver for Red Hat Enterprise Linux 9 Update 4 (x86_64)	mlnx-ofa_kernel-24.10-OFED.24.10.0.7.0.1.rhel9u4.x86_64.rpm	Ethernet 25Gb 2-port 640 FLR-SFP28 Adapter	24.10-0.7.0.1	24.10-OFED.24.10.0.7.0.1.rhel9u4
408	Mellanox RoCE ConnectX-4, ConnectX-5, ConnectX-6 and ConnectX-7 Driver for Red Hat Enterprise Linux 9 Update 4 (x86_64)	mlnx-ofa_kernel-24.10-OFED.24.10.0.7.0.1.rhel9u4.x86_64.rpm	Ethernet 25Gb 2-port 640SFP28 Adapter	24.10-0.7.0.1	24.10-OFED.24.10.0.7.0.1.rhel9u4
409	Mellanox RoCE ConnectX-4, ConnectX-5, ConnectX-6 and ConnectX-7 Driver for Red Hat Enterprise Linux 9 Update 4 (x86_64)	mlnx-ofa_kernel-24.10-OFED.24.10.0.7.0.1.rhel9u4.x86_64.rpm	InfiniBand EDR/Ethernet 100Gb 2-port 841QSFP28 Adapter	24.10-0.7.0.1	24.10-OFED.24.10.0.7.0.1.rhel9u4
410	Mellanox RoCE ConnectX-4, ConnectX-5, ConnectX-6 and ConnectX-7 Driver for Red Hat Enterprise Linux 9 Update 4 (x86_64)	mlnx-ofa_kernel-24.10-OFED.24.10.0.7.0.1.rhel9u4.x86_64.rpm	InfiniBand HDR100/Ethernet 100Gb 2-port 940QSFP56 x16 Adapter	24.10-0.7.0.1	24.10-OFED.24.10.0.7.0.1.rhel9u4
411	Mellanox RoCE ConnectX-4, ConnectX-5, ConnectX-6 and ConnectX-7 Driver for Red Hat Enterprise Linux 9 Update 4 (x86_64)	mlnx-ofa_kernel-24.10-OFED.24.10.0.7.0.1.rhel9u4.x86_64.rpm	IB HDR100/EN 100Gb 2p QSFP56 Adptr	24.10-0.7.0.1	24.10-OFED.24.10.0.7.0.1.rhel9u4
412	Mellanox RoCE ConnectX-4, ConnectX-5, ConnectX-6 and ConnectX-7 Driver for Red Hat Enterprise Linux 9 Update 4 (x86_64)	mlnx-ofa_kernel-24.10-OFED.24.10.0.7.0.1.rhel9u4.x86_64.rpm	IB NDR200/EN 200G 1p OSFP Adptr	24.10-0.7.0.1	24.10-OFED.24.10.0.7.0.1.rhel9u4
413	Mellanox RoCE ConnectX-4, ConnectX-5, ConnectX-6 and ConnectX-7 Driver for Red Hat Enterprise Linux 9 Update 4 (x86_64)	kmod-mlnx-ofa_kernel-24.10-OFED.24.10.0.7.0.1.rhel9u4.x86_64.rpm	MLX MCX631102 10/25GbE 2p SFP28 Adptr	24.10-0.7.0.1	24.10-OFED.24.10.0.7.0.1.rhel9u4
414	Mellanox RoCE ConnectX-4, ConnectX-5, ConnectX-6 and ConnectX-7 Driver for Red Hat Enterprise Linux 9 Update 4 (x86_64)	kmod-mlnx-ofa_kernel-24.10-OFED.24.10.0.7.0.1.rhel9u4.x86_64.rpm	MLX MCX6314 10/25GbE 2p SFP28 OCP3 Adptr	24.10-0.7.0.1	24.10-OFED.24.10.0.7.0.1.rhel9u4
415	Mellanox RoCE ConnectX-4, ConnectX-5, ConnectX-6 and ConnectX-7 Driver for Red Hat	kmod-mlnx-ofa_kernel-24.10-OFED.24.10.0.7.0.1.rhel	Ethernet 10/25Gb 2-port SFP28 MCX512F-	24.10-0.7.0.1	24.10-OFED.24.10.0.7.0.1.rhel9u4

	Enterprise Linux 9 Update 4 (x86_64)	9u4.x86_64.rpm	ACAT Adapter		
416	Mellanox RoCE ConnectX-4, ConnectX-5, ConnectX-6 and ConnectX-7 Driver for Red Hat Enterprise Linux 9 Update 4 (x86_64)	kmod-mlnx-ofa_kernel-24.10-OFED.24.10.0.7.0.1.rhel9u4.x86_64.rpm	Ethernet 10/25Gb 2-port SFP28 MCX562A-ACAI OCP3 Adapter	24.10-0.7.0.1	24.10-OFED.24.10.0.7.0.1.rhel9u4
417	Mellanox RoCE ConnectX-4, ConnectX-5, ConnectX-6 and ConnectX-7 Driver for Red Hat Enterprise Linux 9 Update 4 (x86_64)	kmod-mlnx-ofa_kernel-24.10-OFED.24.10.0.7.0.1.rhel9u4.x86_64.rpm	100GbE 1p QSFP28 MCX515A-CCAT Adptr	24.10-0.7.0.1	24.10-OFED.24.10.0.7.0.1.rhel9u4
418	Mellanox RoCE ConnectX-4, ConnectX-5, ConnectX-6 and ConnectX-7 Driver for Red Hat Enterprise Linux 9 Update 4 (x86_64)	kmod-mlnx-ofa_kernel-24.10-OFED.24.10.0.7.0.1.rhel9u4.x86_64.rpm	Ethernet 100Gb 2-port QSFP56 MCX623106AS-CDAT Adapter	24.10-0.7.0.1	24.10-OFED.24.10.0.7.0.1.rhel9u4
419	Mellanox RoCE ConnectX-4, ConnectX-5, ConnectX-6 and ConnectX-7 Driver for Red Hat Enterprise Linux 9 Update 4 (x86_64)	kmod-mlnx-ofa_kernel-24.10-OFED.24.10.0.7.0.1.rhel9u4.x86_64.rpm	Ethernet 25Gb 2-port 640 FLR-SFP28 Adapter	24.10-0.7.0.1	24.10-OFED.24.10.0.7.0.1.rhel9u4
420	Mellanox RoCE ConnectX-4, ConnectX-5, ConnectX-6 and ConnectX-7 Driver for Red Hat Enterprise Linux 9 Update 4 (x86_64)	kmod-mlnx-ofa_kernel-24.10-OFED.24.10.0.7.0.1.rhel9u4.x86_64.rpm	Ethernet 25Gb 2-port 640SFP28 Adapter	24.10-0.7.0.1	24.10-OFED.24.10.0.7.0.1.rhel9u4
421	Mellanox RoCE ConnectX-4, ConnectX-5, ConnectX-6 and ConnectX-7 Driver for Red Hat Enterprise Linux 9 Update 4 (x86_64)	kmod-mlnx-ofa_kernel-24.10-OFED.24.10.0.7.0.1.rhel9u4.x86_64.rpm	InfiniBand EDR/Ethernet 100Gb 2-port 841QSFP28 Adapter	24.10-0.7.0.1	24.10-OFED.24.10.0.7.0.1.rhel9u4
422	Mellanox RoCE ConnectX-4, ConnectX-5, ConnectX-6 and ConnectX-7 Driver for Red Hat Enterprise Linux 9 Update 4 (x86_64)	kmod-mlnx-ofa_kernel-24.10-OFED.24.10.0.7.0.1.rhel9u4.x86_64.rpm	InfiniBand HDR100/Ethernet 100Gb 2-port 940QSFP56 x16 Adapter	24.10-0.7.0.1	24.10-OFED.24.10.0.7.0.1.rhel9u4
423	Mellanox RoCE ConnectX-4, ConnectX-5, ConnectX-6 and ConnectX-7 Driver for Red Hat Enterprise Linux 9 Update 4 (x86_64)	kmod-mlnx-ofa_kernel-24.10-OFED.24.10.0.7.0.1.rhel9u4.x86_64.rpm	IB HDR100/EN 100Gb 2p QSFP56 Adptr	24.10-0.7.0.1	24.10-OFED.24.10.0.7.0.1.rhel9u4
424	Mellanox RoCE ConnectX-4, ConnectX-5, ConnectX-6 and ConnectX-7 Driver for Red Hat Enterprise Linux 9 Update 4 (x86_64)	kmod-mlnx-ofa_kernel-24.10-OFED.24.10.0.7.0.1.rhel9u4.x86_64.rpm	IB NDR200/EN 200G 1p OSFP Adptr	24.10-0.7.0.1	24.10-OFED.24.10.0.7.0.1.rhel9u4
425	QLogic FastLinQ 10/25/50 GbE Drivers for Red Hat Enterprise Linux 8	kmod-qlgc-fastlinq-8.74.6.0-1.rhel8u10.x86_64.rpm	Ethernet 10Gb 2-port 521T Adapter	8.74.6.0-1	8.74.6.0-1.rhel8u10
426	QLogic FastLinQ 10/25/50 GbE Drivers for Red Hat Enterprise Linux 8	kmod-qlgc-fastlinq-8.74.6.0-1.rhel8u9.x86_64.rpm	Ethernet 10Gb 2-port 521T Adapter	8.74.6.0-1	8.74.6.0-1.rhel8u9
427	QLogic FastLinQ 10/25/50 GbE Drivers for Red Hat	kmod-qlgc-fastlinq-8.74.6.0-	Ethernet 10Gb 2-port 521T	8.74.6.0-5	8.74.6.0-1.rhel9u4

	Enterprise Linux 9	1.rhel9u4.x86_64.rpm	Adapter		
428	QLogic FastLinQ 10/25/50 GbE Drivers for Windows Server x64 Editions	cp064343.exe	Ethernet 10Gb 2-port 521T Adapter	8.72.21.0	8.72.21.0
429	QLogic FastLinQ 10/25/50 GbE Multifunction Driver for VMware vSphere 8.0	cp064342.zip	Ethernet 10Gb 2-port 521T Adapter	2025.03.00	6.0.402.0-10EM.800.1.0.20613240
430	QLogic FastLinQ 10/25/50 GbE Multifunction Driver for VMware vSphere 9.0	cp064705.zip	Ethernet 10Gb 2-port 521T Adapter	2025.03.00	2025.03.00
431	QLogic NX2 10/20 GbE Multifunction Driver for VMware vSphere 8.0	cp064345.zip	Ethernet 10Gb 2-port 530SFP+ Adapter	2025.03.00	3.0.251.0-10EM.700.1.0.15843807
432	QLogic NX2 10/20 GbE Multifunction Driver for VMware vSphere 8.0	cp064345.zip	Ethernet 10Gb 2-port 530T Adapter	2025.03.00	3.0.251.0-10EM.700.1.0.15843807
433	QLogic NX2 10/20 GbE Multifunction Driver for VMware vSphere 8.0	cp064345.zip	FlexFabric 10Gb 2-port 533FLR-T Adapter	2025.03.00	3.0.251.0-10EM.700.1.0.15843807
434	QLogic NX2 10/20 GbE Multifunction Driver for VMware vSphere 9.0	cp064706.zip	Ethernet 10Gb 2-port 530SFP+ Adapter	2025.03.00	2025.03.00
435	QLogic NX2 10/20 GbE Multifunction Driver for VMware vSphere 9.0	cp064706.zip	Ethernet 10Gb 2-port 530T Adapter	2025.03.00	2025.03.00
436	QLogic NX2 10/20 GbE Multifunction Driver for VMware vSphere 9.0	cp064706.zip	FlexFabric 10Gb 2-port 533FLR-T Adapter	2025.03.00	2025.03.00
437	QLogic NX2 10/20 GbE Multifunction Drivers for Red Hat Enterprise Linux 8	kmod-netxtreme2-7.15.24-1.rhel8u10.x86_64.rpm	Ethernet 10Gb 2-port 530SFP+ Adapter	7.15.24-1	7.15.24-1.rhel8u10
438	QLogic NX2 10/20 GbE Multifunction Drivers for Red Hat Enterprise Linux 8	kmod-netxtreme2-7.15.24-1.rhel8u10.x86_64.rpm	Ethernet 10Gb 2-port 530T Adapter	7.15.24-1	7.15.24-1.rhel8u10
439	QLogic NX2 10/20 GbE Multifunction Drivers for Red Hat Enterprise Linux 8	kmod-netxtreme2-7.15.24-1.rhel8u10.x86_64.rpm	FlexFabric 10Gb 2-port 533FLR-T Adapter	7.15.24-1	7.15.24-1.rhel8u10
440	QLogic NX2 10/20 GbE Multifunction Drivers for Red Hat Enterprise Linux 8	kmod-netxtreme2-7.15.24-1.rhel8u9.x86_64.rpm	Ethernet 10Gb 2-port 530SFP+ Adapter	7.15.24-1	7.15.24-1.rhel8u9
441	QLogic NX2 10/20 GbE Multifunction Drivers for Red Hat Enterprise Linux 8	kmod-netxtreme2-7.15.24-1.rhel8u9.x86_64.rpm	Ethernet 10Gb 2-port 530T Adapter	7.15.24-1	7.15.24-1.rhel8u9
442	QLogic NX2 10/20 GbE Multifunction Drivers for Red Hat Enterprise Linux 8	kmod-netxtreme2-7.15.24-1.rhel8u9.x86_64.rpm	FlexFabric 10Gb 2-port 533FLR-T Adapter	7.15.24-1	7.15.24-1.rhel8u9
443	QLogic NX2 10/20 GbE Multifunction Drivers for Red Hat Enterprise Linux 9	kmod-netxtreme2-7.15.24-1.rhel9u4.x86_64.rpm	Ethernet 10Gb 2-port 530SFP+ Adapter	7.15.24-5	7.15.24-1.rhel9u4
444	QLogic NX2 10/20 GbE Multifunction Drivers for Red Hat Enterprise Linux 9	kmod-netxtreme2-7.15.24-1.rhel9u4.x86_64.rpm	Ethernet 10Gb 2-port 530T Adapter	7.15.24-5	7.15.24-1.rhel9u4
445	QLogic NX2 10/20 GbE Multifunction Drivers for Red Hat Enterprise Linux 9	kmod-netxtreme2-7.15.24-1.rhel9u4.x86_64.rpm	FlexFabric 10Gb 2-port 533FLR-T Adapter	7.15.24-5	7.15.24-1.rhel9u4

446	QLogic NX2 10/20 GbE Multifunction Drivers for Windows Server x64 Editions	cp064708.exe	Ethernet 10Gb 2-port 530SFP+ Adapter	7.13.221.0	7.13.221.0
447	QLogic NX2 10/20 GbE Multifunction Drivers for Windows Server x64 Editions	cp064708.exe	Ethernet 10Gb 2-port 530T Adapter	7.13.221.0	7.13.221.0
448	QLogic NX2 10/20 GbE Multifunction Drivers for Windows Server x64 Editions	cp064708.exe	FlexFabric 10Gb 2-port 533FLR-T Adapter	7.13.221.0	7.13.221.0
449	Intel i350 Driver for Windows Server 2019	cp061673.exe	Intel I350-T4 Ethernet 1Gb 4-port BASE-T Adapter	14.0.5.0	14.0.5.0
450	Intel i350 Driver for Windows Server 2019	cp061673.exe	Intel I350-T4 Ethernet 1Gb 4-port BASE-T OCP3 Adapter	14.0.5.0	14.0.5.0
451	Intel i350 Driver for Windows Server 2022	cp064927.exe	Intel I350-T4 Ethernet 1Gb 4-port BASE-T Adapter	14.0.5.0 (B)	14.0.5.0
452	Intel i350 Driver for Windows Server 2022	cp064927.exe	Intel I350-T4 Ethernet 1Gb 4-port BASE-T OCP3 Adapter	14.0.5.0 (B)	14.0.5.0
453	Intel i350 Driver for Windows Server 2025	cp064592.exe	Intel I350-T4 Ethernet 1Gb 4-port BASE-T Adapter	14.1.5.0	14.1.5.0
454	Intel i350 Driver for Windows Server 2025	cp064592.exe	Intel I350-T4 Ethernet 1Gb 4-port BASE-T OCP3 Adapter	14.1.5.0	14.1.5.0
455	Intel i40ea Driver for Windows Server 2019	cp061671.exe	Ethernet 10Gb 2-port SFP+ OCP3 X710-DA2 Adapter	1.19.164.0	1.19.164.0
456	Intel i40ea Driver for Windows Server 2019	cp061671.exe	Ethernet 10Gb 2-port SFP+ X710-DA2 Adapter	1.19.164.0	1.19.164.0
457	Intel i40ea Driver for Windows Server 2022	cp065126.exe	Ethernet 10Gb 2-port SFP+ OCP3 X710-DA2 Adapter	1.19.165.0 (B)	1.19.165.0
458	Intel i40ea Driver for Windows Server 2022	cp065126.exe	Ethernet 10Gb 2-port SFP+ X710-DA2 Adapter	1.19.165.0 (B)	1.19.165.0
459	Intel i40ea Driver for Windows Server 2025	cp064591.exe	Ethernet 10Gb 2-port 562FLR-SFP+ Adapter	1.19.267.0	1.19.267.0
460	Intel i40ea Driver for Windows Server 2025	cp064591.exe	Ethernet 10Gb 2-port 562SFP+ Adapter	1.19.267.0	1.19.267.0
461	Intel i40ea Driver for Windows Server 2025	cp064591.exe	Ethernet 10Gb 2-port SFP+ OCP3	1.19.267.0	1.19.267.0

			X710-DA2 Adapter		
462	Intel i40ea Driver for Windows Server 2025	cp064591.exe	Ethernet 10Gb 2-port SFP+ X710-DA2 Adapter	1.19.267.0	1.19.267.0
463	Intel ice Drivers for Red Hat Enterprise Linux 8	kmod-ice-1.15.4-1.rhel8u10.x86_64.rpm	Intel E810-CQDA2 Ethernet 100Gb 2-port QSFP28 Adapter	1.15.4-1	1.15.4-1.rhel8u10
464	Intel ice Drivers for Red Hat Enterprise Linux 8	kmod-ice-1.15.4-1.rhel8u10.x86_64.rpm	Intel E810-CQDA2 Ethernet 100Gb 2-port QSFP28 OCP3 Adapter	1.15.4-1	1.15.4-1.rhel8u10
465	Intel ice Drivers for Red Hat Enterprise Linux 8	kmod-ice-1.15.4-1.rhel8u10.x86_64.rpm	Intel E810-XXVDA2 adapter	1.15.4-1	1.15.4-1.rhel8u10
466	Intel ice Drivers for Red Hat Enterprise Linux 8	kmod-ice-1.15.4-1.rhel8u10.x86_64.rpm	Intel E810-XXVDA2 OCP3 adapter	1.15.4-1	1.15.4-1.rhel8u10
467	Intel ice Drivers for Red Hat Enterprise Linux 8	kmod-ice-1.15.4-1.rhel8u10.x86_64.rpm	Intel E810-XXVDA4 Ethernet 10/25Gb 4-port SFP28 Adapter	1.15.4-1	1.15.4-1.rhel8u10
468	Intel ice Drivers for Red Hat Enterprise Linux 8	kmod-ice-1.15.4-1.rhel8u9.x86_64.rpm	Intel E810-CQDA2 Ethernet 100Gb 2-port QSFP28 Adapter	1.15.4-1	1.15.4-1.rhel8u9
469	Intel ice Drivers for Red Hat Enterprise Linux 8	kmod-ice-1.15.4-1.rhel8u9.x86_64.rpm	Intel E810-CQDA2 Ethernet 100Gb 2-port QSFP28 OCP3 Adapter	1.15.4-1	1.15.4-1.rhel8u9
470	Intel ice Drivers for Red Hat Enterprise Linux 8	kmod-ice-1.15.4-1.rhel8u9.x86_64.rpm	Intel E810-XXVDA2 adapter	1.15.4-1	1.15.4-1.rhel8u9
471	Intel ice Drivers for Red Hat Enterprise Linux 8	kmod-ice-1.15.4-1.rhel8u9.x86_64.rpm	Intel E810-XXVDA2 OCP3 adapter	1.15.4-1	1.15.4-1.rhel8u9
472	Intel ice Drivers for Red Hat Enterprise Linux 8	kmod-ice-1.15.4-1.rhel8u9.x86_64.rpm	Intel E810-XXVDA4 Ethernet 10/25Gb 4-port SFP28 Adapter	1.15.4-1	1.15.4-1.rhel8u9
473	Intel ice Drivers for Red Hat Enterprise Linux 9	kmod-ice-1.15.4-1.rhel9u4.x86_64.rpm	Intel E810-CQDA2 Ethernet 100Gb 2-port QSFP28 Adapter	1.15.4-1 (B)	1.15.4-1.rhel9u4
474	Intel ice Drivers for Red Hat Enterprise Linux 9	kmod-ice-1.15.4-1.rhel9u4.x86_64.rpm	Intel E810-CQDA2 Ethernet 100Gb 2-port QSFP28 OCP3 Adapter	1.15.4-1 (B)	1.15.4-1.rhel9u4
475	Intel ice Drivers for Red Hat Enterprise Linux 9	kmod-ice-1.15.4-1.rhel9u4.x86_64.rpm	Intel E810-XXVDA2 adapter	1.15.4-1 (B)	1.15.4-1.rhel9u4
476	Intel ice Drivers for Red Hat Enterprise Linux 9	kmod-ice-1.15.4-1.rhel9u4.x86_64.rpm	Intel E810-XXVDA2 OCP3 adapter	1.15.4-1 (B)	1.15.4-1.rhel9u4
477	Intel ice Drivers for Red Hat Enterprise Linux 9	kmod-ice-1.15.4-1.rhel9u4.x86_64.rpm	Intel E810-XXVDA4 Ethernet 10/25Gb 4-port	1.15.4-1 (B)	1.15.4-1.rhel9u4

			SFP28 Adapter		
478	Intel ica Driver for Microsoft Windows Server 2022	cp064926.exe	Intel E810-CQDA2 Ethernet 100Gb 2-port QSFP28 Adapter	1.15.121.0 (C)	1.15.121.0
479	Intel ica Driver for Microsoft Windows Server 2022	cp064926.exe	Intel E810-CQDA2 Ethernet 100Gb 2-port QSFP28 OCP3 Adapter	1.15.121.0 (C)	1.15.121.0
480	Intel ica Driver for Microsoft Windows Server 2022	cp064926.exe	Intel E810-XXVDA2 adapter	1.15.121.0 (C)	1.15.121.0
481	Intel ica Driver for Microsoft Windows Server 2022	cp064926.exe	Intel E810-XXVDA2 OCP3 adapter	1.15.121.0 (C)	1.15.121.0
482	Intel ica Driver for Microsoft Windows Server 2022	cp064926.exe	Intel E810-XXVDA4 Ethernet 10/25Gb 4-port SFP28 Adapter	1.15.121.0 (C)	1.15.121.0
483	Intel ica Driver for Microsoft Windows Server 2025	cp065620.exe	Intel E810-CQDA2 Ethernet 100Gb 2-port QSFP28 Adapter	1.15.302.0 (B)	1.15.302.0
484	Intel ica Driver for Microsoft Windows Server 2025	cp065620.exe	Intel E810-CQDA2 Ethernet 100Gb 2-port QSFP28 OCP3 Adapter	1.15.302.0 (B)	1.15.302.0
485	Intel ica Driver for Microsoft Windows Server 2025	cp065620.exe	Intel E810-XXVDA2 adapter	1.15.302.0 (B)	1.15.302.0
486	Intel ica Driver for Microsoft Windows Server 2025	cp065620.exe	Intel E810-XXVDA2 OCP3 adapter	1.15.302.0 (B)	1.15.302.0
487	Intel ica Driver for Microsoft Windows Server 2025	cp065620.exe	Intel E810-XXVDA4 Ethernet 10/25Gb 4-port SFP28 Adapter	1.15.302.0 (B)	1.15.302.0
488	Intel ica Driver for Windows Server 2019	cp061669.exe	Intel E810-CQDA2 Ethernet 100Gb 2-port QSFP28 Adapter	1.15.121.0	1.15.121.0
489	Intel ica Driver for Windows Server 2019	cp061669.exe	Intel E810-CQDA2 Ethernet 100Gb 2-port QSFP28 OCP3 Adapter	1.15.121.0	1.15.121.0
490	Intel ica Driver for Windows Server 2019	cp061669.exe	Intel E810-XXVDA2 adapter	1.15.121.0	1.15.121.0
491	Intel ica Driver for Windows Server 2019	cp061669.exe	Intel E810-XXVDA2 OCP3 adapter	1.15.121.0	1.15.121.0
492	Intel ica Driver for Windows Server 2019	cp061669.exe	Intel E810-XXVDA4 Ethernet 10/25Gb 4-port SFP28 Adapter	1.15.121.0	1.15.121.0
493	Intel icen Driver for VMware vSphere 8.0	cp065675.zip	Intel E810-CQDA2 Ethernet 100Gb 2-port QSFP28	2025.03.00	1.15.2.0-1OEM.800.1.0 .20613240

			Adapter		
494	Intel icen Driver for VMware vSphere 8.0	cp065675.zip	Intel E810-CQDA2 Ethernet 100Gb 2-port QSFP28 OCP3 Adapter	2025.03.00	1.15.2.0-10EM.800.1.0 .20613240
495	Intel icen Driver for VMware vSphere 8.0	cp065675.zip	Intel E810-XXVDA2 adapter	2025.03.00	1.15.2.0-10EM.800.1.0 .20613240
496	Intel icen Driver for VMware vSphere 8.0	cp065675.zip	Intel E810-XXVDA2 OCP3 adapter	2025.03.00	1.15.2.0-10EM.800.1.0 .20613240
497	Intel icen Driver for VMware vSphere 8.0	cp065675.zip	Intel E810-XXVDA4 Ethernet 10/25Gb 4-port SFP28 Adapter	2025.03.00	1.15.2.0-10EM.800.1.0 .20613240
498	Intel icen Driver for VMware vSphere 9.0	cp065336.zip	Intel E810-CQDA2 Ethernet 100Gb 2-port QSFP28 Adapter	2025.03.00	2025.03.00
499	Intel icen Driver for VMware vSphere 9.0	cp065336.zip	Intel E810-CQDA2 Ethernet 100Gb 2-port QSFP28 OCP3 Adapter	2025.03.00	2025.03.00
500	Intel icen Driver for VMware vSphere 9.0	cp065336.zip	Intel E810-XXVDA2 adapter	2025.03.00	2025.03.00
501	Intel icen Driver for VMware vSphere 9.0	cp065336.zip	Intel E810-XXVDA2 OCP3 adapter	2025.03.00	2025.03.00
502	Intel icen Driver for VMware vSphere 9.0	cp065336.zip	Intel E810-XXVDA4 Ethernet 10/25Gb 4-port SFP28 Adapter	2025.03.00	2025.03.00
503	Mellanox CX5 and CX6DX Driver for Microsoft Windows Server 2019	cp064497.exe	Ethernet 10/25Gb 2-port SFP28 MCX512F-ACAT Adapter	24.10.26603.0	24.10.26603.0
504	Mellanox CX5 and CX6DX Driver for Microsoft Windows Server 2019	cp064497.exe	Ethernet 10/25Gb 2-port SFP28 MCX562A-ACAI OCP3 Adapter	24.10.26603.0	24.10.26603.0
505	Mellanox CX5 and CX6DX Driver for Microsoft Windows Server 2019	cp064497.exe	Ethernet 100Gb 2-port QSFP56 MCX623106AS-CDAT Adapter	24.10.26603.0	24.10.26603.0
506	Mellanox CX5 and CX6DX Driver for Microsoft Windows Server 2019	cp064497.exe	MLX MCX631102 10/25GbE 2p SFP28 Adptr	24.10.26603.0	24.10.26603.0
507	Mellanox CX5 and CX6DX Driver for Microsoft Windows Server 2019	cp064497.exe	MLX MCX6314 10/25GbE 2p SFP28 OCP3 Adptr	24.10.26603.0	24.10.26603.0
508	Mellanox CX5 and CX6DX Driver for Microsoft Windows Server 2022	cp064498.exe	Ethernet 10/25Gb 2-port SFP28 MCX512F-ACAT Adapter	24.10.26603.0	24.10.26603.0

509	Mellanox CX5 and CX6DX Driver for Microsoft Windows Server 2022	cp064498.exe	Ethernet 10/25Gb 2-port SFP28 MCX562A-ACAI OCP3 Adapter	24.10.26603.0	24.10.26603.0
510	Mellanox CX5 and CX6DX Driver for Microsoft Windows Server 2022	cp064498.exe	Ethernet 100Gb 2-port QSFP56 MCX623106AS-CDAT Adapter	24.10.26603.0	24.10.26603.0
511	Mellanox CX5 and CX6DX Driver for Microsoft Windows Server 2022	cp064498.exe	MLX MCX631102 10/25GbE 2p SFP28 Adptr	24.10.26603.0	24.10.26603.0
512	Mellanox CX5 and CX6DX Driver for Microsoft Windows Server 2022	cp064498.exe	MLX MCX6314 10/25GbE 2p SFP28 OCP3 Adptr	24.10.26603.0	24.10.26603.0
513	Mellanox CX5 and CX6DX Driver for Microsoft Windows Server 2025	cp064502.exe	Ethernet 10/25Gb 2-port SFP28 MCX512F-ACAT Adapter	24.10.26603.0	24.10.26603.0
514	Mellanox CX5 and CX6DX Driver for Microsoft Windows Server 2025	cp064502.exe	Ethernet 10/25Gb 2-port SFP28 MCX562A-ACAI OCP3 Adapter	24.10.26603.0	24.10.26603.0
515	Mellanox CX5 and CX6DX Driver for Microsoft Windows Server 2025	cp064502.exe	Ethernet 100Gb 2-port QSFP56 MCX623106AS-CDAT Adapter	24.10.26603.0	24.10.26603.0
516	Mellanox CX5 and CX6DX Driver for Microsoft Windows Server 2025	cp064502.exe	MLX MCX631102 10/25GbE 2p SFP28 Adptr	24.10.26603.0	24.10.26603.0
517	Mellanox CX5 and CX6DX Driver for Microsoft Windows Server 2025	cp064502.exe	MLX MCX6314 10/25GbE 2p SFP28 OCP3 Adptr	24.10.26603.0	24.10.26603.0

## Driver--Storage Controller

No.	Description	Package filename	Device	Package Version	Firmware/Driver version
518	MR416i-p, MR216i-p, MR416i-a, MR216i-a and MR416i-p, MR416i-o, MR216i-o, MR408i-o, MR216i-p, MR408i-p controller Driver for 64-bit Red Hat Enterprise Linux 8	kmod-megaraid_sas-07.730.01.00_rhel8u9-2.x86_64.rpm	Broadcom MR416i-p Cntrl	07.730.01.00	07.730.01.00_rhel8u9-2
519	MR416i-p, MR216i-p, MR416i-a, MR216i-a and MR416i-p, MR416i-o, MR216i-o, MR408i-o, MR216i-p, MR408i-p controller Driver for 64-bit Red Hat Enterprise Linux 8	kmod-megaraid_sas-07.730.01.00_rhel8u9-2.x86_64.rpm	Broadcom MR216i-p Cntrl	07.730.01.00	07.730.01.00_rhel8u9-2

520	MR416i-p, MR216i-p, MR416i-a, MR216i-a and MR416i-p, MR416i-o, MR216i-o, MR408i-o, MR216i-p, MR408i-p controller Driver for 64-bit Red Hat Enterprise Linux 8	kmod-megaraid_sas-07.730.01.00_rhel8u9-2.x86_64.rpm	Broadcom MR416i-a Cntrl	07.730.01.00	07.730.01.00_rhel8u9-2
521	MR416i-p, MR216i-p, MR416i-a, MR216i-a and MR416i-p, MR416i-o, MR216i-o, MR408i-o, MR216i-p, MR408i-p controller Driver for 64-bit Red Hat Enterprise Linux 8	kmod-megaraid_sas-07.730.01.00_rhel8u9-2.x86_64.rpm	Broadcom MR216i-a Cntrl	07.730.01.00	07.730.01.00_rhel8u9-2
522	MR416i-p, MR216i-p, MR416i-a, MR216i-a and MR416i-p, MR416i-o, MR216i-o, MR408i-o, MR216i-p, MR408i-p controller Driver for 64-bit Red Hat Enterprise Linux 9	kmod-megaraid_sas-07.730.01.00_rhel9u4-2.x86_64.rpm	Broadcom MR416i-p Cntrl	07.730.01.00 (B)	07.730.01.00_rhel9u4-2
523	MR416i-p, MR216i-p, MR416i-a, MR216i-a and MR416i-p, MR416i-o, MR216i-o, MR408i-o, MR216i-p, MR408i-p controller Driver for 64-bit Red Hat Enterprise Linux 9	kmod-megaraid_sas-07.730.01.00_rhel9u4-2.x86_64.rpm	Broadcom MR216i-p Cntrl	07.730.01.00 (B)	07.730.01.00_rhel9u4-2
524	MR416i-p, MR216i-p, MR416i-a, MR216i-a and MR416i-p, MR416i-o, MR216i-o, MR408i-o, MR216i-p, MR408i-p controller Driver for 64-bit Red Hat Enterprise Linux 9	kmod-megaraid_sas-07.730.01.00_rhel9u4-2.x86_64.rpm	Broadcom MR416i-a Cntrl	07.730.01.00 (B)	07.730.01.00_rhel9u4-2
525	MR416i-p, MR216i-p, MR416i-a, MR216i-a and MR416i-p, MR416i-o, MR216i-o, MR408i-o, MR216i-p, MR408i-p controller Driver for 64-bit Red Hat Enterprise Linux 9	kmod-megaraid_sas-07.730.01.00_rhel9u4-2.x86_64.rpm	Broadcom MR216i-a Cntrl	07.730.01.00 (B)	07.730.01.00_rhel9u4-2
526	MR416i-p, MR416i-a, MR216i-p, MR216i-a Controller and MR416i-o, MR416i-p, MR216i-o, MR216i-p, MR408i-o , MR408i-p controllers Driver for Microsoft Windows 2019 edition	cp063729.exe	Broadcom MR416i-p Cntrl	7.730.2.0	7.730.2.0
527	MR416i-p, MR416i-a, MR216i-p, MR216i-a Controller and MR416i-o, MR416i-p, MR216i-o, MR216i-p, MR408i-o ,	cp063729.exe	Broadcom MR416i-a Cntrl	7.730.2.0	7.730.2.0

	MR408i-p controllers Driver for Microsoft Windows 2019 edition				
528	MR416i-p, MR416i-a, MR216i-p, MR216i-a Controller and MR416i-o, MR416i-p, MR216i-o, MR216i-p, MR408i-o , MR408i-p controllers Driver for Microsoft Windows 2019 edition	cp063729.exe	Broadcom MR216i-p Cntrl	7.730.2.0	7.730.2.0
529	MR416i-p, MR416i-a, MR216i-p, MR216i-a Controller and MR416i-o, MR416i-p, MR216i-o, MR216i-p, MR408i-o , MR408i-p controllers Driver for Microsoft Windows 2019 edition	cp063729.exe	Broadcom MR216i-a Cntrl	7.730.2.0	7.730.2.0
530	MR416i-p, MR416i-a, MR216i-p, MR216i-a Controller and MR416i-o, MR416i-p, MR216i-o, MR216i-p, MR408i-o , MR408i-p controllers driver for Microsoft Windows 2025 edition	cp065468.exe	Broadcom MR416i-p Cntrl	7.730.2.0 (B)	7.730.2.0
531	MR416i-p, MR416i-a, MR216i-p, MR216i-a Controller and MR416i-o, MR416i-p, MR216i-o, MR216i-p, MR408i-o , MR408i-p controllers driver for Microsoft Windows 2025 edition	cp065468.exe	Broadcom MR416i-a Cntrl	7.730.2.0 (B)	7.730.2.0
532	MR416i-p, MR416i-a, MR216i-p, MR216i-a Controller and MR416i-o, MR416i-p, MR216i-o, MR216i-p, MR408i-o , MR408i-p controllers driver for Microsoft Windows 2025 edition	cp065468.exe	Broadcom MR216i-p Cntrl	7.730.2.0 (B)	7.730.2.0
533	MR416i-p, MR416i-a, MR216i-p, MR216i-a Controller and MR416i-o, MR416i-p, MR216i-o, MR216i-p, MR408i-o , MR408i-p controllers driver for Microsoft Windows 2025 edition	cp065468.exe	Broadcom MR216i-a Cntrl	7.730.2.0 (B)	7.730.2.0
534	MR416i-p, MR416i-o, MR216i-o, MR408i-o, MR216i-p, MR408i-p and controller (64-bit) Driver for	cp065469.zip	Broadcom MR416i-p Cntrl	2025.01.01 (B)	7.730.01.00-10EM.800.1.0 .20613240

	vSphere 8.0				
535	MR416i-p, MR416i-o, MR216i-o, MR408i-o, MR216i-p, MR408i-p and controller (64-bit) Driver for vSphere 8.0	cp065469.zip	Broadcom MR416i-a Cntrl	2025.01.01 (B)	7.730.01.00-10EM.800.1.0 .20613240
536	MR416i-p, MR416i-o, MR216i-o, MR408i-o, MR216i-p, MR408i-p and controller (64-bit) Driver for vSphere 8.0	cp065469.zip	Broadcom MR216i-p Cntrl	2025.01.01 (B)	7.730.01.00-10EM.800.1.0 .20613240
537	MR416i-p, MR416i-o, MR216i-o, MR408i-o, MR216i-p, MR408i-p and controller (64-bit) Driver for vSphere 8.0	cp065469.zip	Broadcom MR216i-a Cntrl	2025.01.01 (B)	7.730.01.00-10EM.800.1.0 .20613240
538	Smart Array and Smart RAID Controller Driver for VMware vSphere 8.0 (Driver Component).	cp062918.zip	Smart Array E208e-p SR Controller	2025.02.01	80.4704.0.108 - 10EM.800.1.0 .20613240
539	Smart Array and Smart RAID Controller Driver for VMware vSphere 8.0 (Driver Component).	cp062918.zip	Microchip SR416i-a Cntrl	2025.02.01	80.4704.0.108 - 10EM.800.1.0 .20613240
540	Smart Array and Smart RAID Controller Driver for VMware vSphere 8.0 (Driver Component).	cp062918.zip	Microchip SR932i-p Cntrl	2025.02.01	80.4704.0.108 - 10EM.800.1.0 .20613240
541	Smart Array and Smart RAID Controller Driver for VMware vSphere 8.0 (Driver Component).	cp062918.zip	Smart Array P816i-a SR Controller	2025.02.01	80.4704.0.108 - 10EM.800.1.0 .20613240
542	Smart Array and Smart RAID Controller Driver for VMware vSphere 8.0 (Driver Component).	cp062918.zip	Smart Array P408i-a SR Controller	2025.02.01	80.4704.0.108 - 10EM.800.1.0 .20613240
543	Smart Array and Smart RAID Controller Driver for VMware vSphere 8.0 (Driver Component).	cp062918.zip	Smart Array P408i-p SR Controller	2025.02.01	80.4704.0.108 - 10EM.800.1.0 .20613240
544	Smart Array and Smart RAID Controller Driver for VMware vSphere 8.0 (Driver Component).	cp062918.zip	Smart Array E208i-a SR Controller	2025.02.01	80.4704.0.108 - 10EM.800.1.0 .20613240
545	Smart Array and Smart RAID Controller Driver for VMware vSphere 8.0 (Driver Component).	cp062918.zip	Smart Array E208i-p SR Controller	2025.02.01	80.4704.0.108 - 10EM.800.1.0 .20613240
546	Smart Array Controller (64-bit) Driver for Red Hat Enterprise Linux 8 (64-bit)	kmod-smartpqi-2.1.32-035.rhel8u9.x86_64.rpm	Smart Array P408i-a SR Controller	2.1.32-035	2.1.32-035.rhel8u9
547	Smart Array Controller (64-bit) Driver for Red Hat Enterprise Linux 8 (64-bit)	kmod-smartpqi-2.1.32-035.rhel8u9.x86_64.rpm	Smart Array P408i-p SR Controller	2.1.32-035	2.1.32-035.rhel8u9
548	Smart Array Controller (64-	kmod-smartpqi-2.1.32-	Smart Array	2.1.32-035	2.1.32-

	bit) Driver for Red Hat Enterprise Linux 8 (64-bit)	035.rhel8u9.x86_64.rpm	P816i-a SR Controller		035.rhel8u9
549	Smart Array Controller (64-bit) Driver for Red Hat Enterprise Linux 8 (64-bit)	kmod-smartpqi-2.1.32-035.rhel8u9.x86_64.rpm	Smart Array E208e-p SR Controller	2.1.32-035	2.1.32-035.rhel8u9
550	Smart Array Controller (64-bit) Driver for Red Hat Enterprise Linux 8 (64-bit)	kmod-smartpqi-2.1.32-035.rhel8u9.x86_64.rpm	Smart Array E208i-a SR Controller	2.1.32-035	2.1.32-035.rhel8u9
551	Smart Array Controller (64-bit) Driver for Red Hat Enterprise Linux 8 (64-bit)	kmod-smartpqi-2.1.32-035.rhel8u9.x86_64.rpm	Smart Array E208i-p SR Controller	2.1.32-035	2.1.32-035.rhel8u9
552	Smart Array Controller (64-bit) Driver for Red Hat Enterprise Linux 8 (64-bit)	kmod-smartpqi-2.1.32-035.rhel8u9.x86_64.rpm	Microchip SR932i-p Cntrl	2.1.32-035	2.1.32-035.rhel8u9
553	Smart Array Controller (64-bit) Driver for Red Hat Enterprise Linux 8 (64-bit)	kmod-smartpqi-2.1.32-035.rhel8u9.x86_64.rpm	Microchip SR416i-a Cntrl	2.1.32-035	2.1.32-035.rhel8u9
554	Smart Array Controller (64-bit) Driver for Red Hat Enterprise Linux 8 (64-bit)	kmod-smartpqi-2.1.32-035.rhel8u10.x86_64.rpm	Smart Array P408i-a SR Controller	2.1.32-035	2.1.32-035.rhel8u10
555	Smart Array Controller (64-bit) Driver for Red Hat Enterprise Linux 8 (64-bit)	kmod-smartpqi-2.1.32-035.rhel8u10.x86_64.rpm	Smart Array P408i-p SR Controller	2.1.32-035	2.1.32-035.rhel8u10
556	Smart Array Controller (64-bit) Driver for Red Hat Enterprise Linux 8 (64-bit)	kmod-smartpqi-2.1.32-035.rhel8u10.x86_64.rpm	Smart Array P816i-a SR Controller	2.1.32-035	2.1.32-035.rhel8u10
557	Smart Array Controller (64-bit) Driver for Red Hat Enterprise Linux 8 (64-bit)	kmod-smartpqi-2.1.32-035.rhel8u10.x86_64.rpm	Smart Array E208e-p SR Controller	2.1.32-035	2.1.32-035.rhel8u10
558	Smart Array Controller (64-bit) Driver for Red Hat Enterprise Linux 8 (64-bit)	kmod-smartpqi-2.1.32-035.rhel8u10.x86_64.rpm	Smart Array E208i-a SR Controller	2.1.32-035	2.1.32-035.rhel8u10
559	Smart Array Controller (64-bit) Driver for Red Hat Enterprise Linux 8 (64-bit)	kmod-smartpqi-2.1.32-035.rhel8u10.x86_64.rpm	Smart Array E208i-p SR Controller	2.1.32-035	2.1.32-035.rhel8u10
560	Smart Array Controller (64-bit) Driver for Red Hat Enterprise Linux 8 (64-bit)	kmod-smartpqi-2.1.32-035.rhel8u10.x86_64.rpm	Microchip SR932i-p Cntrl	2.1.32-035	2.1.32-035.rhel8u10
561	Smart Array Controller (64-bit) Driver for Red Hat Enterprise Linux 8 (64-bit)	kmod-smartpqi-2.1.32-035.rhel8u10.x86_64.rpm	Microchip SR416i-a Cntrl	2.1.32-035	2.1.32-035.rhel8u10
562	Smart Array Controller (64-bit) Driver for Red Hat Enterprise Linux 9 (64-bit)	kmod-smartpqi-2.1.32-035.rhel9u4.x86_64.rpm	Smart Array P408i-a SR Controller	2.1.32-035	2.1.32-035.rhel9u4
563	Smart Array Controller (64-bit) Driver for Red Hat Enterprise Linux 9 (64-bit)	kmod-smartpqi-2.1.32-035.rhel9u4.x86_64.rpm	Smart Array P408i-p SR Controller	2.1.32-035	2.1.32-035.rhel9u4
564	Smart Array Controller (64-bit) Driver for Red Hat Enterprise Linux 9 (64-bit)	kmod-smartpqi-2.1.32-035.rhel9u4.x86_64.rpm	Smart Array P816i-a SR Controller	2.1.32-035	2.1.32-035.rhel9u4
565	Smart Array Controller (64-bit) Driver for Red Hat Enterprise Linux 9 (64-bit)	kmod-smartpqi-2.1.32-035.rhel9u4.x86_64.rpm	Smart Array E208e-p SR Controller	2.1.32-035	2.1.32-035.rhel9u4
566	Smart Array Controller (64-bit) Driver for Red Hat Enterprise Linux 9 (64-bit)	kmod-smartpqi-2.1.32-035.rhel9u4.x86_64.rpm	Smart Array E208i-a SR	2.1.32-035	2.1.32-035.rhel9u4

	Enterprise Linux 9 (64-bit)	m	Controller		
567	Smart Array Controller (64-bit) Driver for Red Hat Enterprise Linux 9 (64-bit)	kmod-smartpqi-2.1.32-035.rhel9u4.x86_64.rpm	Smart Array E208i-p SR Controller	2.1.32-035	2.1.32-035.rhel9u4
568	Smart Array Controller (64-bit) Driver for Red Hat Enterprise Linux 9 (64-bit)	kmod-smartpqi-2.1.32-035.rhel9u4.x86_64.rpm	Microchip SR932i-p Cntrl	2.1.32-035	2.1.32-035.rhel9u4
569	Smart Array Controller (64-bit) Driver for Red Hat Enterprise Linux 9 (64-bit)	kmod-smartpqi-2.1.32-035.rhel9u4.x86_64.rpm	Microchip SR416i-a Cntrl	2.1.32-035	2.1.32-035.rhel9u4
570	Smart Array Driver for Windows Server 2019, Windows Server 2022 and Windows Server 2025	cp062903.exe	Smart Array P408i-a SR Controller	1016.10.0.1004	1016.10.0.1004
571	Smart Array Controller Driver for Windows Server 2019, Windows Server 2022 and Windows Server 2025	cp062903.exe	Smart Array P408i-p SR Controller	1016.10.0.1004	1016.10.0.1004
572	Smart Array Controller Driver for Windows Server 2019, Windows Server 2022 and Windows Server 2025	cp062903.exe	Smart Array P816i-a SR Controller	1016.10.0.1004	1016.10.0.1004
573	Smart Array Controller Driver for Windows Server 2019, Windows Server 2022 and Windows Server 2025	cp062903.exe	Smart Array E208e-p SR Controller	1016.10.0.1004	1016.10.0.1004
574	Smart Array Controller Driver for Windows Server 2019, Windows Server 2022 and Windows Server 2025	cp062903.exe	Smart Array E208i-a SR Controller	1016.10.0.1004	1016.10.0.1004
575	Smart Array Controller Driver for Windows Server 2019, Windows Server 2022 and Windows Server 2025	cp062903.exe	Smart Array E208i-p SR Controller	1016.10.0.1004	1016.10.0.1004
576	Smart Array Controller Driver for Windows Server 2019, Windows Server 2022 and Windows Server 2025	cp062903.exe	Microchip SR932i-p Cntrl	1016.10.0.1004	1016.10.0.1004
577	Smart Array Controller Driver for Windows Server 2019, Windows Server 2022 and Windows Server 2025	cp062903.exe	Microchip SR416i-a Cntrl	1016.10.0.1004	1016.10.0.1004
578	MR416i-p, MR416i-a, MR216i-p, MR216i-a Controller and MR416i-o, MR416i-p, MR216i-o, MR216i-p, MR408i-o, MR408i-p controllers driver for Microsoft Windows 2022 edition	cp065467.exe	Broadcom MR416i-p Cntrl	7.730.2.0 (B)	7.730.2.0
579	MR416i-p, MR416i-a, MR216i-p, MR216i-a Controller and MR416i-o, MR416i-p, MR216i-o, MR216i-p, MR408i-o,	cp065467.exe	Broadcom MR416i-a Cntrl	7.730.2.0 (B)	7.730.2.0

	MR408i-p controllers driver for Microsoft Windows 2022 edition				
580	MR416i-p, MR416i-a, MR216i-p, MR216i-a Controller and MR416i-o, MR416i-p, MR216i-o, MR216i-p, MR408i-o , MR408i-p controllers driver for Microsoft Windows 2022 edition	cp065467.exe	Broadcom MR216i-p Cntrl	7.730.2.0 (B)	7.730.2.0
581	MR416i-p, MR416i-a, MR216i-p, MR216i-a Controller and MR416i-o, MR416i-p, MR216i-o, MR216i-p, MR408i-o , MR408i-p controllers driver for Microsoft Windows 2022 edition	cp065467.exe	Broadcom MR216i-a Cntrl	7.730.2.0 (B)	7.730.2.0

## Driver--Storage Fibre Channel and Fibre Channel over Ethernet

No.	Description	Package filename	Device	Package Version	Firmware/Driver version
582	Storage Fibre Channel Adapter Kit for the x64 Emulex Storport Driver for Microsoft Windows Server 2019	cp063482.exe	SN1200E 16Gb Dual Port Fibre Channel Host Bus Adapter	14.4.393.20	14.4.393.20
583	Storage Fibre Channel Adapter Kit for the x64 Emulex Storport Driver for Microsoft Windows Server 2019	cp063482.exe	SN1200E 16Gb Single Port Fibre Channel Host Bus Adapter	14.4.393.20	14.4.393.20
584	Storage Fibre Channel Adapter Kit for the x64 Emulex Storport Driver for Microsoft Windows Server 2019	cp063482.exe	SN1600E 32Gb Dual Port Fibre Channel Host Bus Adapter	14.4.393.20	14.4.393.20
585	Storage Fibre Channel Adapter Kit for the x64 Emulex Storport Driver for Microsoft Windows Server 2019	cp063482.exe	SN1600E 32Gb Single Port Fibre Channel Host Bus Adapter	14.4.393.20	14.4.393.20
586	Storage Fibre Channel Adapter Kit for the x64 Emulex Storport Driver for Microsoft Windows Server 2019	cp063482.exe	SN1610E 32Gb 1-port Fibre Channel Host Bus Adapter	14.4.393.20	14.4.393.20
587	Storage Fibre Channel Adapter Kit for the x64 Emulex Storport Driver for Microsoft Windows Server	cp063482.exe	SN1610E 32Gb 2-port Fibre Channel Host Bus Adapter	14.4.393.20	14.4.393.20

	2019				
588	Storage Fibre Channel Adapter Kit for the x64 Emulex Storport Driver for Microsoft Windows Server 2022	cp063483.exe	SN1200E 16Gb Dual Port Fibre Channel Host Bus Adapter	14.4.393.20	14.4.393.20
589	Storage Fibre Channel Adapter Kit for the x64 Emulex Storport Driver for Microsoft Windows Server 2022	cp063483.exe	SN1200E 16Gb Single Port Fibre Channel Host Bus Adapter	14.4.393.20	14.4.393.20
590	Storage Fibre Channel Adapter Kit for the x64 Emulex Storport Driver for Microsoft Windows Server 2022	cp063483.exe	SN1600E 32Gb Dual Port Fibre Channel Host Bus Adapter	14.4.393.20	14.4.393.20
591	Storage Fibre Channel Adapter Kit for the x64 Emulex Storport Driver for Microsoft Windows Server 2022	cp063483.exe	SN1600E 32Gb Single Port Fibre Channel Host Bus Adapter	14.4.393.20	14.4.393.20
592	Storage Fibre Channel Adapter Kit for the x64 Emulex Storport Driver for Microsoft Windows Server 2022	cp063483.exe	SN1610E 32Gb 1-port Fibre Channel Host Bus Adapter	14.4.393.20	14.4.393.20
593	Storage Fibre Channel Adapter Kit for the x64 Emulex Storport Driver for Microsoft Windows Server 2022	cp063483.exe	SN1610E 32Gb 2-port Fibre Channel Host Bus Adapter	14.4.393.20	14.4.393.20
594	Storage Fibre Channel Adapter Kit for the x64 Emulex Storport Driver for Microsoft Windows Server 2025	cp063484.exe	SN1200E 16Gb Dual Port Fibre Channel Host Bus Adapter	14.4.393.20	14.4.393.20
595	Storage Fibre Channel Adapter Kit for the x64 Emulex Storport Driver for Microsoft Windows Server 2025	cp063484.exe	SN1200E 16Gb Single Port Fibre Channel Host Bus Adapter	14.4.393.20	14.4.393.20
596	Storage Fibre Channel Adapter Kit for the x64 Emulex Storport Driver for Microsoft Windows Server 2025	cp063484.exe	SN1600E 32Gb Dual Port Fibre Channel Host Bus Adapter	14.4.393.20	14.4.393.20
597	Storage Fibre Channel Adapter Kit for the x64 Emulex Storport Driver for Microsoft Windows Server 2025	cp063484.exe	SN1600E 32Gb Single Port Fibre Channel Host Bus Adapter	14.4.393.20	14.4.393.20
598	Storage Fibre Channel Adapter Kit for the x64 Emulex Storport Driver for Microsoft Windows Server	cp063484.exe	SN1610E 32Gb 1-port Fibre Channel Host Bus Adapter	14.4.393.20	14.4.393.20

	2025				
599	Storage Fibre Channel Adapter Kit for the x64 Emulex Storport Driver for Microsoft Windows Server 2025	cp063484.exe	SN1610E 32Gb 2-port Fibre Channel Host Bus Adapter	14.4.393.20	14.4.393.20
600	Storage Fibre Channel Adapter Kit for the x64 QLogic Storport Driver for Microsoft Windows Server 2019	cp063824.exe	SN1100Q 16Gb Dual Port Fibre Channel Host Bus Adapter	9.4.11.20	9.4.11.20
601	Storage Fibre Channel Adapter Kit for the x64 QLogic Storport Driver for Microsoft Windows Server 2019	cp063824.exe	SN1100Q 16Gb Single Port Fibre Channel Host Bus Adapter	9.4.11.20	9.4.11.20
602	Storage Fibre Channel Adapter Kit for the x64 QLogic Storport Driver for Microsoft Windows Server 2019	cp063824.exe	SN1600Q 32Gb Dual Port Fibre Channel Host Bus Adapter	9.4.11.20	9.4.11.20
603	Storage Fibre Channel Adapter Kit for the x64 QLogic Storport Driver for Microsoft Windows Server 2019	cp063824.exe	SN1600Q 32Gb Single Port Fibre Channel Host Bus Adapter	9.4.11.20	9.4.11.20
604	Storage Fibre Channel Adapter Kit for the x64 QLogic Storport Driver for Microsoft Windows Server 2019	cp063824.exe	SN1610Q 32Gb 1-port Fibre Channel Host Bus Adapter	9.4.11.20	9.4.11.20
605	Storage Fibre Channel Adapter Kit for the x64 QLogic Storport Driver for Microsoft Windows Server 2019	cp063824.exe	SN1610Q 32Gb 2-port Fibre Channel Host Bus Adapter	9.4.11.20	9.4.11.20
606	Storage Fibre Channel Adapter Kit for the x64 QLogic Storport Driver for Microsoft Windows Server 2022	cp063825.exe	SN1100Q 16Gb Dual Port Fibre Channel Host Bus Adapter	9.4.11.20	9.4.11.20
607	Storage Fibre Channel Adapter Kit for the x64 QLogic Storport Driver for Microsoft Windows Server 2022	cp063825.exe	SN1100Q 16Gb Single Port Fibre Channel Host Bus Adapter	9.4.11.20	9.4.11.20
608	Storage Fibre Channel Adapter Kit for the x64 QLogic Storport Driver for Microsoft Windows Server 2022	cp063825.exe	SN1600Q 32Gb Dual Port Fibre Channel Host Bus Adapter	9.4.11.20	9.4.11.20
609	Storage Fibre Channel Adapter Kit for the x64 QLogic Storport Driver for Microsoft Windows Server	cp063825.exe	SN1600Q 32Gb Single Port Fibre Channel Host Bus Adapter	9.4.11.20	9.4.11.20

	2022				
610	Storage Fibre Channel Adapter Kit for the x64 QLogic Storport Driver for Microsoft Windows Server 2022	cp063825.exe	SN1610Q 32Gb 1-port Fibre Channel Host Bus Adapter	9.4.11.20	9.4.11.20
611	Storage Fibre Channel Adapter Kit for the x64 QLogic Storport Driver for Microsoft Windows Server 2022	cp063825.exe	SN1610Q 32Gb 2-port Fibre Channel Host Bus Adapter	9.4.11.20	9.4.11.20
612	Storage Fibre Channel Adapter Kit for the x64 QLogic Storport Driver for Microsoft Windows Server 2025	cp063826.exe	SN1100Q 16Gb Dual Port Fibre Channel Host Bus Adapter	9.4.11.20	9.4.11.20
613	Storage Fibre Channel Adapter Kit for the x64 QLogic Storport Driver for Microsoft Windows Server 2025	cp063826.exe	SN1100Q 16Gb Single Port Fibre Channel Host Bus Adapter	9.4.11.20	9.4.11.20
614	Storage Fibre Channel Adapter Kit for the x64 QLogic Storport Driver for Microsoft Windows Server 2025	cp063826.exe	SN1600Q 32Gb Dual Port Fibre Channel Host Bus Adapter	9.4.11.20	9.4.11.20
615	Storage Fibre Channel Adapter Kit for the x64 QLogic Storport Driver for Microsoft Windows Server 2025	cp063826.exe	SN1600Q 32Gb Single Port Fibre Channel Host Bus Adapter	9.4.11.20	9.4.11.20
616	Storage Fibre Channel Adapter Kit for the x64 QLogic Storport Driver for Microsoft Windows Server 2025	cp063826.exe	SN1610Q 32Gb 1-port Fibre Channel Host Bus Adapter	9.4.11.20	9.4.11.20
617	Storage Fibre Channel Adapter Kit for the x64 QLogic Storport Driver for Microsoft Windows Server 2025	cp063826.exe	SN1610Q 32Gb 2-port Fibre Channel Host Bus Adapter	9.4.11.20	9.4.11.20
618	Red Hat Enterprise Linux 8 Update 10 Server Fibre Channel Driver Kit Emulex Host Bus Adapters	kmod-elx-lpfc-14.4.329.9-1.rhel8u10.x86_64.rpm	SN1200E 16Gb Dual Port Fibre Channel Host Bus Adapter	14.4.329.9	14.4.329.9-1.rhel8u10
619	Red Hat Enterprise Linux 8 Update 10 Server Fibre Channel Driver Kit Emulex Host Bus Adapters	kmod-elx-lpfc-14.4.329.9-1.rhel8u10.x86_64.rpm	SN1200E 16Gb Single Port Fibre Channel Host Bus Adapter	14.4.329.9	14.4.329.9-1.rhel8u10
620	Red Hat Enterprise Linux 8 Update 10 Server Fibre Channel Driver Kit Emulex Host Bus Adapters	kmod-elx-lpfc-14.4.329.9-1.rhel8u10.x86_64.rpm	SN1600E 32Gb Dual Port Fibre Channel Host Bus Adapter	14.4.329.9	14.4.329.9-1.rhel8u10
621	Red Hat Enterprise Linux 8 Update 10 Server Fibre	kmod-elx-lpfc-14.4.329.9-	SN1600E 32Gb Single Port Fibre	14.4.329.9	14.4.329.9-1.rhel8u10

	Channel Driver Kit Emulex Host Bus Adapters	1.rhel8u10.x86_64.rpm	Channel Host Bus Adapter		
622	Red Hat Enterprise Linux 8 Update 10 Server Fibre Channel Driver Kit Emulex Host Bus Adapters	kmod-elx-lpfc-14.4.329.9-1.rhel8u10.x86_64.rpm	SN1610E 32Gb 1-port Fibre Channel Host Bus Adapter	14.4.329.9	14.4.329.9-1.rhel8u10
623	Red Hat Enterprise Linux 8 Update 10 Server Fibre Channel Driver Kit Emulex Host Bus Adapters	kmod-elx-lpfc-14.4.329.9-1.rhel8u10.x86_64.rpm	SN1610E 32Gb 2-port Fibre Channel Host Bus Adapter	14.4.329.9	14.4.329.9-1.rhel8u10
624	Red Hat Enterprise Linux 8 Update 10 Server Fibre Channel Driver Kit QLogic Host Bus Adapters	kmod-qlgc-qla2xxx-10.02.13.03_k1-1.rhel8u10.x86_64.rpm	SN1100Q 16Gb Dual Port Fibre Channel Host Bus Adapter	10.02.13.03-k1	10.02.13.03_k1-1.rhel8u10
625	Red Hat Enterprise Linux 8 Update 10 Server Fibre Channel Driver Kit QLogic Host Bus Adapters	kmod-qlgc-qla2xxx-10.02.13.03_k1-1.rhel8u10.x86_64.rpm	SN1100Q 16Gb Single Port Fibre Channel Host Bus Adapter	10.02.13.03-k1	10.02.13.03_k1-1.rhel8u10
626	Red Hat Enterprise Linux 8 Update 10 Server Fibre Channel Driver Kit QLogic Host Bus Adapters	kmod-qlgc-qla2xxx-10.02.13.03_k1-1.rhel8u10.x86_64.rpm	SN1600Q 32Gb Dual Port Fibre Channel Host Bus Adapter	10.02.13.03-k1	10.02.13.03_k1-1.rhel8u10
627	Red Hat Enterprise Linux 8 Update 10 Server Fibre Channel Driver Kit QLogic Host Bus Adapters	kmod-qlgc-qla2xxx-10.02.13.03_k1-1.rhel8u10.x86_64.rpm	SN1600Q 32Gb Single Port Fibre Channel Host Bus Adapter	10.02.13.03-k1	10.02.13.03_k1-1.rhel8u10
628	Red Hat Enterprise Linux 8 Update 10 Server Fibre Channel Driver Kit QLogic Host Bus Adapters	kmod-qlgc-qla2xxx-10.02.13.03_k1-1.rhel8u10.x86_64.rpm	SN1610Q 32Gb 1-port Fibre Channel Host Bus Adapter	10.02.13.03-k1	10.02.13.03_k1-1.rhel8u10
629	Red Hat Enterprise Linux 8 Update 10 Server Fibre Channel Driver Kit QLogic Host Bus Adapters	kmod-qlgc-qla2xxx-10.02.13.03_k1-1.rhel8u10.x86_64.rpm	SN1610Q 32Gb 2-port Fibre Channel Host Bus Adapter	10.02.13.03-k1	10.02.13.03_k1-1.rhel8u10
630	Red Hat Enterprise Linux 8 Update 9 Server Fibre Channel Driver Kit Emulex Host Bus Adapters	kmod-elx-lpfc-14.4.329.9-1.rhel8u9.x86_64.rpm	SN1200E 16Gb Dual Port Fibre Channel Host Bus Adapter	14.4.329.9	14.4.329.9-1.rhel8u9
631	Red Hat Enterprise Linux 8 Update 9 Server Fibre Channel Driver Kit Emulex Host Bus Adapters	kmod-elx-lpfc-14.4.329.9-1.rhel8u9.x86_64.rpm	SN1200E 16Gb Single Port Fibre Channel Host Bus Adapter	14.4.329.9	14.4.329.9-1.rhel8u9
632	Red Hat Enterprise Linux 8 Update 9 Server Fibre Channel Driver Kit Emulex Host Bus Adapters	kmod-elx-lpfc-14.4.329.9-1.rhel8u9.x86_64.rpm	SN1600E 32Gb Dual Port Fibre Channel Host Bus Adapter	14.4.329.9	14.4.329.9-1.rhel8u9
633	Red Hat Enterprise Linux 8 Update 9 Server Fibre Channel Driver Kit Emulex Host Bus Adapters	kmod-elx-lpfc-14.4.329.9-1.rhel8u9.x86_64.rpm	SN1600E 32Gb Single Port Fibre Channel Host Bus Adapter	14.4.329.9	14.4.329.9-1.rhel8u9
634	Red Hat Enterprise Linux 8 Update 9 Server Fibre Channel Driver Kit Emulex Host Bus Adapters	kmod-elx-lpfc-14.4.329.9-1.rhel8u9.x86_64.rpm	SN1610E 32Gb 1-port Fibre Channel Host Bus Adapter	14.4.329.9	14.4.329.9-1.rhel8u9
635	Red Hat Enterprise Linux 8	kmod-elx-lpfc-	SN1610E 32Gb 2-	14.4.329.9	14.4.329.9-

	Update 9 Server Fibre Channel Driver Kit Emulex Host Bus Adapters	14.4.329.9-1.rhel8u9.x86_64.rpm	port Fibre Channel Host Bus Adapter		1.rhel8u9
636	Red Hat Enterprise Linux 8 Update 9 Server Fibre Channel Driver Kit QLogic Host Bus Adapters	kmod-qlgc-qla2xxx-10.02.13.03_k1-1.rhel8u9.x86_64.rpm	SN1100Q 16Gb Dual Port Fibre Channel Host Bus Adapter	10.02.13.03-k1	10.02.13.03_k1-1.rhel8u9
637	Red Hat Enterprise Linux 8 Update 9 Server Fibre Channel Driver Kit QLogic Host Bus Adapters	kmod-qlgc-qla2xxx-10.02.13.03_k1-1.rhel8u9.x86_64.rpm	SN1100Q 16Gb Single Port Fibre Channel Host Bus Adapter	10.02.13.03-k1	10.02.13.03_k1-1.rhel8u9
638	Red Hat Enterprise Linux 8 Update 9 Server Fibre Channel Driver Kit QLogic Host Bus Adapters	kmod-qlgc-qla2xxx-10.02.13.03_k1-1.rhel8u9.x86_64.rpm	SN1600Q 32Gb Dual Port Fibre Channel Host Bus Adapter	10.02.13.03-k1	10.02.13.03_k1-1.rhel8u9
639	Red Hat Enterprise Linux 8 Update 9 Server Fibre Channel Driver Kit QLogic Host Bus Adapters	kmod-qlgc-qla2xxx-10.02.13.03_k1-1.rhel8u9.x86_64.rpm	SN1600Q 32Gb Single Port Fibre Channel Host Bus Adapter	10.02.13.03-k1	10.02.13.03_k1-1.rhel8u9
640	Red Hat Enterprise Linux 8 Update 9 Server Fibre Channel Driver Kit QLogic Host Bus Adapters	kmod-qlgc-qla2xxx-10.02.13.03_k1-1.rhel8u9.x86_64.rpm	SN1610Q 32Gb 1-port Fibre Channel Host Bus Adapter	10.02.13.03-k1	10.02.13.03_k1-1.rhel8u9
641	Red Hat Enterprise Linux 8 Update 9 Server Fibre Channel Driver Kit QLogic Host Bus Adapters	kmod-qlgc-qla2xxx-10.02.13.03_k1-1.rhel8u9.x86_64.rpm	SN1610Q 32Gb 2-port Fibre Channel Host Bus Adapter	10.02.13.03-k1	10.02.13.03_k1-1.rhel8u9
642	Red Hat Enterprise Linux 9 Server Update 4 Fibre Channel Driver Kit Emulex Host Bus Adapters	kmod-elx-lpfc-14.4.329.9-1.rhel9u4.x86_64.rpm	SN1200E 16Gb Dual Port Fibre Channel Host Bus Adapter	14.4.329.9	14.4.329.9-1.rhel9u4
643	Red Hat Enterprise Linux 9 Server Update 4 Fibre Channel Driver Kit Emulex Host Bus Adapters	kmod-elx-lpfc-14.4.329.9-1.rhel9u4.x86_64.rpm	SN1200E 16Gb Single Port Fibre Channel Host Bus Adapter	14.4.329.9	14.4.329.9-1.rhel9u4
644	Red Hat Enterprise Linux 9 Server Update 4 Fibre Channel Driver Kit Emulex Host Bus Adapters	kmod-elx-lpfc-14.4.329.9-1.rhel9u4.x86_64.rpm	SN1600E 32Gb Dual Port Fibre Channel Host Bus Adapter	14.4.329.9	14.4.329.9-1.rhel9u4
645	Red Hat Enterprise Linux 9 Server Update 4 Fibre Channel Driver Kit Emulex Host Bus Adapters	kmod-elx-lpfc-14.4.329.9-1.rhel9u4.x86_64.rpm	SN1600E 32Gb Single Port Fibre Channel Host Bus Adapter	14.4.329.9	14.4.329.9-1.rhel9u4
646	Red Hat Enterprise Linux 9 Server Update 4 Fibre Channel Driver Kit Emulex Host Bus Adapters	kmod-elx-lpfc-14.4.329.9-1.rhel9u4.x86_64.rpm	SN1610E 32Gb 1-port Fibre Channel Host Bus Adapter	14.4.329.9	14.4.329.9-1.rhel9u4
647	Red Hat Enterprise Linux 9 Server Update 4 Fibre Channel Driver Kit Emulex Host Bus Adapters	kmod-elx-lpfc-14.4.329.9-1.rhel9u4.x86_64.rpm	SN1610E 32Gb 2-port Fibre Channel Host Bus Adapter	14.4.329.9	14.4.329.9-1.rhel9u4
648	Red Hat Enterprise Linux 9 update 4 Server Fibre Channel Driver Kit QLogic Host Bus Adapters	kmod-qlgc-qla2xxx-10.02.13.03_k1-1.rhel9u4.x86_64.rpm	SN1100Q 16Gb Dual Port Fibre Channel Host Bus Adapter	10.02.13.03-k1	10.02.13.03_k1-1.rhel9u4

649	Red Hat Enterprise Linux 9 update 4 Server Fibre Channel Driver Kit QLogic Host Bus Adapters	kmod-qlgc-qla2xxx-10.02.13.03_k1-1.rhel9u4.x86_64.rpm	SN1100Q 16Gb Single Port Fibre Channel Host Bus Adapter	10.02.13.03-k1	10.02.13.03_k1-1.rhel9u4
650	Red Hat Enterprise Linux 9 update 4 Server Fibre Channel Driver Kit QLogic Host Bus Adapters	kmod-qlgc-qla2xxx-10.02.13.03_k1-1.rhel9u4.x86_64.rpm	SN1600Q 32Gb Dual Port Fibre Channel Host Bus Adapter	10.02.13.03-k1	10.02.13.03_k1-1.rhel9u4
651	Red Hat Enterprise Linux 9 update 4 Server Fibre Channel Driver Kit QLogic Host Bus Adapters	kmod-qlgc-qla2xxx-10.02.13.03_k1-1.rhel9u4.x86_64.rpm	SN1600Q 32Gb Single Port Fibre Channel Host Bus Adapter	10.02.13.03-k1	10.02.13.03_k1-1.rhel9u4
652	Red Hat Enterprise Linux 9 update 4 Server Fibre Channel Driver Kit QLogic Host Bus Adapters	kmod-qlgc-qla2xxx-10.02.13.03_k1-1.rhel9u4.x86_64.rpm	SN1610Q 32Gb 1-port Fibre Channel Host Bus Adapter	10.02.13.03-k1	10.02.13.03_k1-1.rhel9u4
653	Red Hat Enterprise Linux 9 update 4 Server Fibre Channel Driver Kit QLogic Host Bus Adapters	kmod-qlgc-qla2xxx-10.02.13.03_k1-1.rhel9u4.x86_64.rpm	SN1610Q 32Gb 2-port Fibre Channel Host Bus Adapter	10.02.13.03-k1	10.02.13.03_k1-1.rhel9u4

## Driver--System Management

No.	Description	Package filename	Device	Package Version	Firmware/Driver version
654	iLO 5 Automatic Server Recovery Driver for Microsoft Windows Server 2016 and 2019	cp060559.exe	-	4.7.1.0 (E)	4.7.1.0
655	iLO 5 Automatic Server Recovery Driver for Microsoft Windows Server 2022	cp065110.exe	-	4.7.1.0 (G)	4.7.1.0
656	iLO 5 Automatic Server Recovery Driver for Microsoft Windows Server 2025	cp061731.exe	-	4.7.2.0	4.7.2.0
657	iLO 5 Channel Interface Driver for Microsoft Windows Server 2016 and 2019	cp060558.exe	-	4.7.1.0 (E)	4.7.1.0
658	iLO 5 Channel Interface Driver for Microsoft Windows Server 2022	cp065109.exe	-	4.7.1.0 (G)	4.7.1.0
659	iLO 5 Channel Interface Driver for Microsoft Windows Server 2025	cp061730.exe	-	4.7.2.0	4.7.2.0

## Driver—Video

No.	Description	Package filename	Device	Package Version	Firmware/Driver version
660	Matrox G200eH3 Video	cp065112.exe	-	9.15.1.268	9.15.1.268

	Controller Driver for Microsoft Windows 64-bit			(B)	
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## Firmware--Lights-Out Management

No.	Description	Package filename	Device	Package Version	Firmware/Driver version
661	Language Pack - Japanese	cp065401.exe	-	3.10	3.10.08
662	Language Pack - Japanese	firmware-ilo5-lpk-jari11-3.10-1.1.x86_64.rpm	-	3.10	3.10.08
663	Online ROM Flash Component for Linux - iLO 5	firmware-ilo5-3.11-1.1.x86_64.rpm	-	3.11	3.11 Feb 25 2025
664	Online ROM Flash Component for Windows x64 - iLO 5	cp064942.exe	-	3.11	3.11 Feb 25 2025
665	Online ROM Flash Firmware Package - iLO 5	ilo5_311.fwpkg	-	3.11	3.11 Feb 25 2025

## Firmware—Network

No.	Description	Package filename	Device	Package Version	Firmware/Driver version
666	Broadcom Firmware Package for BCM5741x adapters	bcm232.1.132.8.pup.fw pkg	BCM 57414 10/25GbE 2p SFP28 Adptr	232.1.132.8	232.1.132.8
667	Broadcom Firmware Package for BCM5741x adapters	bcm232.1.132.8.pup.fw pkg	BCM 57414 10/25GbE 2p SFP28 OCP3 Adptr	232.1.132.8	232.1.132.8
668	Broadcom Firmware Package for BCM5741x adapters	bcm232.1.132.8.pup.fw pkg	BCM 57416 10GbE 2p BASE-T Adptr	232.1.132.8	232.1.132.8
669	Broadcom Firmware Package for BCM5741x adapters	bcm232.1.132.8.pup.fw pkg	BCM 57416 10GbE 2p BASE-T OCP3 Adptr	232.1.132.8	232.1.132.8
670	Broadcom Firmware Package for BCM5741x adapters	bcm232.1.132.8.pup.fw pkg	BCM 57412 10GbE 2p SFP+ Adptr	232.1.132.8	232.1.132.8
671	Broadcom Firmware Package for BCM5741x adapters	bcm232.1.132.8.pup.fw pkg	BCM 57412 10GbE 2p SFP+ OCP3 Adptr	232.1.132.8	232.1.132.8
672	Broadcom Firmware Package for BCM5750x adapters	bcm232.1.132.8_Thor.pup.fw pkg	BCM 57504 10/25GbE 4p SFP28 Adptr	232.1.132.8	232.1.132.8
673	Broadcom Firmware Package for BCM5750x adapters	bcm232.1.132.8_Thor.pup.fw pkg	BCM 57504 10/25GbE 4p SFP28 OCP3 Adptr	232.1.132.8	232.1.132.8
674	Broadcom NX1 Online Firmware Upgrade Utility for Linux x86_64	firmware-nic-bcm-open-2.40.0-1.1.x86_64.rpm	Broadcom BCM5719 Ethernet 1Gb 4-port Base-T Adapter	2.40.0	20.32.41

675	Broadcom NX1 Online Firmware Upgrade Utility for Linux x86_64	firmware-nic-bcm-open-2.40.0-1.1.x86_64.rpm	Broadcom BCM5719 Ethernet 1Gb 4-port Base-T OCP3 Adapter	2.40.0	20.32.41
676	Broadcom NX1 Online Firmware Upgrade Utility for Linux x86_64	firmware-nic-bcm-open-2.40.0-1.1.x86_64.rpm	Broadcom BCM5720 Ethernet 1Gb 2-port BASE-T LOM Adapter	2.40.0	20.32.41
677	Broadcom NX1 Online Firmware Upgrade Utility for VMware	CP064518.zip	Broadcom BCM5719 Ethernet 1Gb 4-port Base-T Adapter	1.41.0	20.32.41
678	Broadcom NX1 Online Firmware Upgrade Utility for VMware	CP064518.zip	Broadcom BCM5719 Ethernet 1Gb 4-port Base-T OCP3 Adapter	1.41.0	20.32.41
679	Broadcom NX1 Online Firmware Upgrade Utility for VMware	CP064518.zip	Broadcom BCM5720 Ethernet 1Gb 2-port BASE-T LOM Adapter	1.41.0	20.32.41
680	Broadcom NX1 Online Firmware Upgrade Utility for Windows Server x64 Editions	cp064520.exe	Broadcom BCM5719 Ethernet 1Gb 4-port Base-T Adapter	5.4.4.0	20.32.41
681	Broadcom NX1 Online Firmware Upgrade Utility for Windows Server x64 Editions	cp064520.exe	Broadcom BCM5719 Ethernet 1Gb 4-port Base-T OCP3 Adapter	5.4.4.0	20.32.41
682	Broadcom NX1 Online Firmware Upgrade Utility for Windows Server x64 Editions	cp064520.exe	Broadcom BCM5720 Ethernet 1Gb 2-port BASE-T LOM Adapter	5.4.4.0	20.32.41
683	Broadcom NX1 Online Firmware Upgrade Utility Linux x86_64	firmware-nic-bcm-2.40.0-1.1.x86_64.rpm	Ethernet 1Gb 2-port 332i Adapter (22E8)	2.40.0	20.32.41
684	Broadcom NX1 Online Firmware Upgrade Utility Linux x86_64.	firmware-nic-bcm-2.40.0-1.1.x86_64.rpm	Ethernet 1Gb 2-port 332T Adapter	2.40.0	20.32.41
685	Broadcom NX1 Online Firmware Upgrade Utility Linux x86_64.	firmware-nic-bcm-2.40.0-1.1.x86_64.rpm	Ethernet 1Gb 4-port 331FLR Adapter	2.40.0	20.32.41
686	Broadcom NX1 Online Firmware Upgrade Utility Linux x86_64.	firmware-nic-bcm-2.40.0-1.1.x86_64.rpm	Ethernet 1Gb 4-port 331T Adapter	2.40.0	20.32.41
687	Broadcom NX1 Online Firmware Upgrade Utility Linux x86_64.	firmware-nic-bcm-2.40.0-1.1.x86_64.rpm	Ethernet 1Gb 4-port 331i Adapter (22BE)	2.40.0	20.32.41

688	Broadcom NX1 Online Firmware Upgrade Utility VMware.	CP064444.zip	Ethernet 1Gb 2-port 332i Adapter (22E8)	1.41.0	20.32.41
689	Broadcom NX1 Online Firmware Upgrade Utility VMware.	CP064444.zip	Ethernet 1Gb 2-port 332T Adapter	1.41.0	20.32.41
690	Broadcom NX1 Online Firmware Upgrade Utility VMware.	CP064444.zip	Ethernet 1Gb 4-port 331FLR Adapter	1.41.0	20.32.41
691	Broadcom NX1 Online Firmware Upgrade Utility VMware.	CP064444.zip	Ethernet 1Gb 4-port 331T Adapter	1.41.0	20.32.41
692	Broadcom NX1 Online Firmware Upgrade Utility VMware.	CP064444.zip	Ethernet 1Gb 4-port 331i Adapter (22BE)	1.41.0	20.32.41
693	Broadcom NX1 Online Firmware Upgrade Utility Windows Server x64 Editions	cp064445.exe	Ethernet 1Gb 2-port 332i Adapter (22E8)	5.4.4.0	20.32.41
694	Broadcom NX1 Online Firmware Upgrade Utility Windows Server x64 Editions	cp064445.exe	Ethernet 1Gb 2-port 332T Adapter	5.4.4.0	20.32.41
695	Broadcom NX1 Online Firmware Upgrade Utility Windows Server x64 Editions	cp064445.exe	Ethernet 1Gb 4-port 331FLR Adapter	5.4.4.0	20.32.41
696	Broadcom NX1 Online Firmware Upgrade Utility Windows Server x64 Editions	cp064445.exe	Ethernet 1Gb 4-port 331T Adapter	5.4.4.0	20.32.41
697	Broadcom NX1 Online Firmware Upgrade Utility Windows Server x64 Editions	cp064445.exe	Ethernet 1Gb 4-port 331i Adapter (22BE)	5.4.4.0	20.32.41
698	Broadcom NetXtreme-E Firmware Package for BCM5741x adapters	bcm232.1.132008.Optimized.pup.fwpkg	Ethernet 10/25Gb 2-port 631FLR-SFP28 Adapter	232.1.132008	232.1.132008
699	Broadcom NetXtreme-E Firmware Package for BCM5741x adapters	bcm232.1.132008.Optimized.pup.fwpkg	Ethernet 10/25Gb 2-port 631SFP28 Adapter	232.1.132008	232.1.132008
700	Broadcom NetXtreme-E Firmware Package for BCM5741x adapters	bcm232.1.132008.Optimized.pup.fwpkg	Ethernet 10Gb 2-port 535FLR-T Adapter	232.1.132008	232.1.132008
701	Broadcom NetXtreme-E Firmware Package for BCM5741x adapters	bcm232.1.132008.Optimized.pup.fwpkg	Ethernet 10Gb 2-port 535T Adapter	232.1.132008	232.1.132008
702	Broadcom NetXtreme-E Firmware Package for BCM5741x adapters	bcm232.1.132008.Optimized.pup.fwpkg	Ethernet 10Gb 2-port 537SFP+ Adapter	232.1.132008	232.1.132008
703	Broadcom NetXtreme-E Firmware Package for BCM5741x adapters	bcm232.1.132008.Optimized.pup.fwpkg	Ethernet 10Gb 2-port 537SFP+ FLR Adapter	232.1.132008	232.1.132008
704	Intel Online Firmware Upgrade Utility Linux x86_64	firmware-nic-intel-1.32.0-1.1.x86_64.rpm	Ethernet 1Gb 4-port 369i Adapter	1.32.0	1.3686.0
705	Intel Online Firmware Upgrade Utility Linux x86_64.	firmware-nic-intel-1.32.0-1.1.x86_64.rpm	Ethernet 1Gb 2-port 361T Adapter	1.32.0	1.3686.0

706	Intel Online Firmware Upgrade Utility Linux x86_64.	firmware-nic-intel-1.32.0-1.1.x86_64.rpm	Ethernet 1Gb 4-port 366FLR Adapter	1.32.0	1.3686.0
707	Intel Online Firmware Upgrade Utility Linux x86_64	firmware-nic-intel-1.32.0-1.1.x86_64.rpm	Ethernet 1Gb 4-port 366T Adapter	1.32.0	1.3686.0
708	Intel Online Firmware Upgrade Utility Linux x86_64	firmware-nic-intel-1.32.0-1.1.x86_64.rpm	Ethernet 10Gb 2-port 562FLR-SFP+ Adapter	1.32.0	1.3686.0
709	Intel Online Firmware Upgrade Utility Linux x86_64.	firmware-nic-intel-1.32.0-1.1.x86_64.rpm	Ethernet 10Gb 2-port 562FLR-T Adapter	1.32.0	1.3686.0
710	Intel Online Firmware Upgrade Utility Linux x86_64.	firmware-nic-intel-1.32.0-1.1.x86_64.rpm	Ethernet 10Gb 2-port 562SFP+ Adapter	1.32.0	1.3686.0
711	Intel Online Firmware Upgrade Utility Linux x86_64.	firmware-nic-intel-1.32.0-1.1.x86_64.rpm	Ethernet 10Gb 2-port 562T Adapter	1.32.0	1.3686.0
712	Intel Online Firmware Upgrade Utility Linux x86_64	firmware-nic-intel-1.32.0-1.1.x86_64.rpm	Ethernet 1Gb 2-port 361i Adapter	1.32.0	1.3686.0
713	Intel Online Firmware Upgrade Utility VMware	CP065648.zip	Ethernet 1Gb 4-port 369i Adapter	3.25.0 (B)	1.3686.0
714	Intel Online Firmware Upgrade Utility VMware.	CP065648.zip	Ethernet 1Gb 2-port 361T Adapter	3.25.0 (B)	1.3686.0
715	Intel Online Firmware Upgrade Utility VMware.	CP065648.zip	Ethernet 1Gb 4-port 366FLR Adapter	3.25.0 (B)	1.3686.0
716	Intel Online Firmware Upgrade Utility VMware.	CP065648.zip	Ethernet 1Gb 4-port 366T Adapter	3.25.0 (B)	1.3686.0
717	Intel Online Firmware Upgrade Utility VMware.	CP065648.zip	Ethernet 10Gb 2-port 562FLR-SFP+ Adapter	3.25.0 (B)	1.3686.0
718	Intel Online Firmware Upgrade Utility VMware.	CP065648.zip	Ethernet 10Gb 2-port 562FLR-T Adapter	3.25.0 (B)	1.3686.0
719	Intel Online Firmware Upgrade Utility VMware.	CP065648.zip	Ethernet 10Gb 2-port 562SFP+ Adapter	3.25.0 (B)	1.3686.0
720	Intel Online Firmware Upgrade Utility VMware.	CP065648.zip	Ethernet 10Gb 2-port 562T Adapter	3.25.0 (B)	1.3686.0
721	Intel Online Firmware Upgrade Utility VMware.	CP065648.zip	Ethernet 1Gb 2-port 361i Adapter	3.25.0 (B)	1.3686.0
722	Intel Online Firmware Upgrade Utility for Windows Server x64 Editions.	cp065127.exe	Ethernet 1Gb 4-port 369i Adapter	5.4.3.0 (B)	1.3686.0
723	Intel Online Firmware Upgrade Utility for Windows Server x64 Editions.	cp065127.exe	Ethernet 1Gb 2-port 361T Adapter	5.4.3.0 (B)	1.3686.0
724	Intel Online Firmware Upgrade Utility for Windows Server x64 Editions.	cp065127.exe	Ethernet 1Gb 4-port 366FLR Adapter	5.4.3.0 (B)	1.3686.0
725	Intel Online Firmware	cp065127.exe	Ethernet 1Gb 4-	5.4.3.0 (B)	1.3686.0

	Upgrade Utility for Windows Server x64 Editions.		port 366T Adapter		
726	Intel Online Firmware Upgrade Utility for Windows Server x64 Editions.	cp065127.exe	Ethernet 10Gb 2-port 562FLR-SFP+ Adapter	5.4.3.0 (B)	1.3686.0
727	Intel Online Firmware Upgrade Utility for Windows Server x64 Editions.	cp065127.exe	Ethernet 10Gb 2-port 562FLR-T Adapter	5.4.3.0 (B)	1.3686.0
728	Intel Online Firmware Upgrade Utility for Windows Server x64 Editions.	cp065127.exe	Ethernet 10Gb 2-port 562SFP+ Adapter	5.4.3.0 (B)	1.3686.0
729	Intel Online Firmware Upgrade Utility for Windows Server x64 Editions.	cp065127.exe	Ethernet 10Gb 2-port 562T Adapter	5.4.3.0 (B)	1.3686.0
730	Intel Online Firmware Upgrade Utility for Windows Server x64 Editions.	cp065127.exe	Ethernet 1Gb 2-port 361i Adapter	5.4.3.0 (B)	1.3686.0
731	QLogic FastLinQ Firmware Package for Arrowhead adapters	ql_hp_ah_mbi_8.65.23_pldm.fwpkg	Ethernet 10Gb 2-port 521T Adapter	8.65.23	8.65.23
732	QLogic NX2 Online Firmware Upgrade Utility for Linux x86_64	firmware-nic-qlogic-nx2-2.37.0-1.1.x86_64.rpm	Ethernet 10Gb 2-port 530SFP+ Adapter	2.37.0	7.19.27
733	QLogic NX2 Online Firmware Upgrade Utility for Linux x86_64	firmware-nic-qlogic-nx2-2.37.0-1.1.x86_64.rpm	Ethernet 10Gb 2-port 530T Adapter	2.37.0	7.19.27
734	QLogic NX2 Online Firmware Upgrade Utility for Linux x86_64	firmware-nic-qlogic-nx2-2.37.0-1.1.x86_64.rpm	FlexFabric 10Gb 2-port 533FLR-T Adapter	2.37.0	7.19.27
735	QLogic NX2 Online Firmware Upgrade Utility for VMware	CP064334.zip	Ethernet 10Gb 2-port 530SFP+ Adapter	1.37.0	7.19.27
736	QLogic NX2 Online Firmware Upgrade Utility for VMware	CP064334.zip	Ethernet 10Gb 2-port 530T Adapter	1.37.0	7.19.27
737	QLogic NX2 Online Firmware Upgrade Utility for VMware	CP064334.zip	FlexFabric 10Gb 2-port 533FLR-T Adapter	1.37.0	7.19.27
738	QLogic NX2 Online Firmware Upgrade Utility for Windows Server x64 Editions	cp064335.exe	Ethernet 10Gb 2-port 530SFP+ Adapter	5.3.9.0	7.19.27
739	QLogic NX2 Online Firmware Upgrade Utility for Windows Server x64 Editions	cp064335.exe	Ethernet 10Gb 2-port 530T Adapter	5.3.9.0	7.19.27
740	QLogic NX2 Online Firmware Upgrade Utility for Windows Server x64 Editions	cp064335.exe	FlexFabric 10Gb 2-port 533FLR-T Adapter	5.3.9.0	7.19.27
741	Intel Firmware Package For E810-CQDA2 Ethernet 100Gb 2-port QSFP28 Adapter	HPE_E810_CQDA2_4p60_PLDMoMCTP_8001E8B1.fwpkg	Intel E810-CQDA2 Ethernet 100Gb 2-port QSFP28 Adapter	4.60 (B)	4.60
742	Intel Firmware Package For E810-CQDA2 Ethernet 100Gb 2-port QSFP28 OCP3 Adapter	HPE_E810_CQDA2_OCP_4p60_NCSlwPLDMoMCTP_8001E8B5.fwpkg	Intel E810-CQDA2 Ethernet 100Gb 2-port QSFP28 OCP3 Adapter	4.60 (B)	4.60

743	Intel Firmware Package For E810-XXVDA2 Ethernet 10/25Gb 2-port SFP28 Adapter	HPE_E810_XXVDA2_SD_4p60_PLDMoMCTP_8001E8B3.fwpkg	Intel E810-XXVDA2 adapter	4.60 (B)	4.60
744	Intel Firmware Package For E810-XXVDA2 Ethernet 10/25Gb 2-port SFP28 OCP3 Adapter	HPE_E810_XXVDA2_SD_OCP_4p60_NCSlwPLDMoMCTP_8001E8B0.fw pkg	Intel E810-XXVDA2 OCP3 adapter	4.60 (B)	4.60
745	Intel Firmware Package For E810-XXVDA4 Ethernet 10/25Gb 4-port SFP28 Adapter	HPE_E810_XXVDA4_FH_4p60_PLDMoMCTP_8001E8B2.fwpkg	Intel E810-XXVDA4 Ethernet 10/25Gb 4-port SFP28 Adapter	4.60 (B)	4.60
746	Intel Online Firmware Upgrade Utility for Linux x86_64	firmware-nic-is-intel-1.32.0-1.1.x86_64.rpm	Ethernet 10Gb 2-port SFP+ OCP3 X710-DA2 Adapter	1.32.0	1.3682.0
747	Intel Online Firmware Upgrade Utility for Linux x86_64	firmware-nic-is-intel-1.32.0-1.1.x86_64.rpm	Ethernet 10Gb 2-port SFP+ X710-DA2 Adapter	1.32.0	1.3682.0
748	Intel Online Firmware Upgrade Utility for Linux x86_64	firmware-nic-is-intel-1.32.0-1.1.x86_64.rpm	Intel I350-T4 Ethernet 1Gb 4-port BASE-T Adapter	1.32.0	1.3682.0
749	Intel Online Firmware Upgrade Utility for Linux x86_64	firmware-nic-is-intel-1.32.0-1.1.x86_64.rpm	Intel I350-T4 Ethernet 1Gb 4-port BASE-T OCP3 Adapter	1.32.0	1.3682.0
750	Intel Online Firmware Upgrade Utility for VMware	CP065653.zip	Ethernet 10Gb 2-port SFP+ OCP3 X710-DA2 Adapter	3.25.0 (B)	1.3682.0
751	Intel Online Firmware Upgrade Utility for VMware	CP065653.zip	Ethernet 10Gb 2-port SFP+ X710-DA2 Adapter	3.25.0 (B)	1.3682.0
752	Intel Online Firmware Upgrade Utility for VMware	CP065653.zip	Intel I350-T4 Ethernet 1Gb 4-port BASE-T Adapter	3.25.0 (B)	1.3682.0
753	Intel Online Firmware Upgrade Utility for VMware	CP065653.zip	Intel I350-T4 Ethernet 1Gb 4-port BASE-T OCP3 Adapter	3.25.0 (B)	1.3682.0
754	Intel Online Firmware Upgrade Utility for Windows Server x64 Editions	cp065128.exe	Ethernet 10Gb 2-port SFP+ OCP3 X710-DA2 Adapter	5.4.3.0 (B)	1.3682.0
755	Intel Online Firmware Upgrade Utility for Windows Server x64 Editions	cp065128.exe	Ethernet 10Gb 2-port SFP+ X710-DA2 Adapter	5.4.3.0 (B)	1.3682.0
756	Intel Online Firmware Upgrade Utility for Windows Server x64 Editions	cp065128.exe	Intel I350-T4 Ethernet 1Gb 4-port BASE-T Adapter	5.4.3.0 (B)	1.3682.0
757	Intel Online Firmware Upgrade Utility for Windows	cp065128.exe	Intel I350-T4 Ethernet 1Gb 4-	5.4.3.0 (B)	1.3682.0

	Server x64 Editions		port BASE-T OCP3 Adapter		
758	Mellanox Firmware Package (FWPKG) - Mellanox MCX631102AS-ADAT Ethernet 10/25Gb 2-port SFP28 Adapter	26_43_1014-MCX631102AS-ADA_Ax.pldm.fwpkg	MLX MCX631102 10/25GbE 2p SFP28 Adptr	26.43.1014	26.43.1014
759	Mellanox Firmware Package (FWPKG) - Mellanox MCX631432AS-ADAI Ethernet 10/25Gb 2-port SFP28 OCP3 Adapter	26_43_1014-MCX631432AS-ADA_Ax.pldm.fwpkg	MLX MCX6314 10/25GbE 2p SFP28 OCP3 Adptr	26.43.1014	26.43.1014
760	Mellanox Firmware Package (FWPKG) Ethernet 100Gb 1-port QSFP28 PCIe3 x16 MCX515A-CCAT Adapter	16_35_4030-MCX515A-CCA_HPE_Ax.pldm.fwpkg	100GbE 1p QSFP28 MCX515A-CCAT Adptr	16.35.4030	16.35.4030
761	Mellanox Firmware Package (FWPKG) InfiniBand HDR100/Ethernet 100Gb 2-port QSFP56 PCIe4 x16 MCX653106A-ECAT Adapter	20_43_1014-MCX653106A-ECA_HPE_Ax.pldm.fwpkg	IB HDR100/EN 100Gb 2p QSFP56 Adptr	20.43.1014	20.43.1014
762	Mellanox Firmware Package (FWPKG) for Mellanox MCX562A-ACAI Ethernet 10/25Gb 2-port SFP28 OCP3 Adapter	16_35_4030-MCX562A-ACA_Ax_Bx.pldm.fwpkg	Ethernet 10/25Gb 2-port SFP28 MCX562A-ACAI OCP3 Adapter	16.35.4030	16.35.4030
763	Mellanox Firmware Package (FWPKG) for Mellanox MCX623106AS-CDAT Ethernet 100Gb 2-port QSFP56 Adapter	22_43_1014-MCX623106AS-CDA_Ax.pldm.fwpkg	Ethernet 100Gb 2-port QSFP56 MCX623106AS-CDAT Adapter	22.43.1014	22.43.1014
764	Mellanox Firmware Package(FWPKG) Ethernet 10/25Gb 2-port SFP28 MCX512F-ACAT Adapter	16_35_4030-MCX512F-ACH_Ax_Bx.pldm.fwpkg	Ethernet 10/25Gb 2-port SFP28 MCX512F-ACAT Adapter	16.35.4030	16.35.4030
765	NVIDIA Firmware Package (FWPKG) InfiniBand NDR200/Ethernet 200Gb 1-port OSFP PCIe5 x16 MCX75310AAS-HEAT Adapter	28_44_1036-MCX75310AAS-HEAT_HPE2_Ax.pldm.fwpkg	IB NDR200/EN 200G 1p OSFP Adptr	28.44.1036	28.44.1036
766	Online Firmware Upgrade Utility (ESXi 8.0) Mellanox Ethernet only adapters	CP063098.zip	Ethernet 25Gb 2-port 640 FLR-SFP28 Adapter	1.0.5	16.35.4030
767	Online Firmware Upgrade Utility (ESXi 8.0) Mellanox Ethernet only adapters	CP063098.zip	Ethernet 25Gb 2-port 640SFP28 Adapter	1.0.5	16.35.4030
768	Online Firmware Upgrade Utility (ESXi 8.0) Mellanox VPI (Ethernet and Infiniband mode) ConnectX4 and ConnectX5 devices on VMware ESXi 8.0	CP063489.zip	InfiniBand EDR/Ethernet 100Gb 2-port 841QSFP28 Adapter	1.0.4	12.28.2302
769	Online Firmware Upgrade Utility (ESXi 8.0) Mellanox VPI (Ethernet and Infiniband	CP064597.zip	InfiniBand HDR100/Ethernet 100Gb 2-port	1.0.6	20.43.1014

	mode) ConnectX6 devices on VMware ESXi 8.0		940QSFP56 x16 Adapter		
770	Online Firmware Upgrade Utility (ESXi 9.0) Mellanox Ethernet only adapters	CP064939.zip	Ethernet 25Gb 2-port 640 FLR-SFP28 Adapter	1.0.0	16.35.4030
771	Online Firmware Upgrade Utility (ESXi 9.0) Mellanox Ethernet only adapters	CP064939.zip	Ethernet 25Gb 2-port 640SFP28 Adapter	1.0.0	16.35.4030
772	Online Firmware Upgrade Utility (ESXi 9.0) Mellanox VPI (Ethernet and Infiniband mode) ConnectX4 and ConnectX5 devices on VMware ESXi 9.0	CP064992.zip	InfiniBand EDR/Ethernet 100Gb 2-port 841QSFP28 Adapter	1.0.0	12.28.2302
773	Online Firmware Upgrade Utility (ESXi 9.0) Mellanox VPI (Ethernet and Infiniband mode) ConnectX6 devices on VMware ESXi 9.0	CP064972.zip	InfiniBand HDR100/Ethernet 100Gb 2-port 940QSFP56 x16 Adapter	1.0.0	20.43.1014
774	Online Firmware Upgrade Utility (Linux x86_64) Mellanox Ethernet only adapters	firmware-nic-mellanox-ethernet-only-1.0.22-1.1.x86_64.rpm	Ethernet 25Gb 2-port 640 FLR-SFP28 Adapter	1.0.22	16.35.4030
775	Online Firmware Upgrade Utility (Linux x86_64) Mellanox Ethernet only adapters	firmware-nic-mellanox-ethernet-only-1.0.22-1.1.x86_64.rpm	Ethernet 25Gb 2-port 640SFP28 Adapter	1.0.22	16.35.4030
776	Online Firmware Upgrade Utility (Linux x86_64) Mellanox VPI (Ethernet and Infiniband mode) ConnectX4 and ConnectX5 devices on Linux x86_64 platform	firmware-hca-mellanox-vpi-connectx4-1.0.17-1.1.x86_64.rpm	InfiniBand EDR/Ethernet 100Gb 2-port 841QSFP28 Adapter	1.0.17	12.28.2302
777	Online Firmware Upgrade Utility (Linux x86_64) Mellanox VPI (Ethernet and Infiniband mode) ConnectX6 devices on Linux x86_64 platform	firmware-hca-mellanox-vpi-connectx6-mft-1.0.16-1.1.x86_64.rpm	InfiniBand HDR100/Ethernet 100Gb 2-port 940QSFP56 x16 Adapter	1.0.16	20.43.1014
778	Online Firmware Upgrade Utility (Windows x64) Mellanox Ethernet only adapters	cp065134.exe	Ethernet 25Gb 2-port 640 FLR-SFP28 Adapter	1.0.0.22 (A)	16.35.4030
779	Online Firmware Upgrade Utility (Windows x64) Mellanox Ethernet only adapters	cp065134.exe	Ethernet 25Gb 2-port 640SFP28 Adapter	1.0.0.22 (A)	16.35.4030
780	Online Firmware Upgrade Utility (Windows x64) Mellanox VPI (Ethernet and Infiniband mode) ConnectX4 and ConnectX5 devices on Windows x86_64 platform	cp065142.exe	InfiniBand EDR/Ethernet 100Gb 2-port 841QSFP28 Adapter	1.0.0.16 (A)	12.28.2302
781	Online Firmware Upgrade Utility (Windows x64)	cp064595.exe	InfiniBand HDR100/Ethernet	1.0.0.12	20.43.1014

	Mellanox VPI (Ethernet and Infiniband mode) ConnectX6 devices on Windows x86_64 platform		100Gb 2-port 940QSFP56 x16 Adapter		
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## Firmware--PCIe NVMe Storage Disk

No.	Description	Package filename	Device	Package Version	Firmware/Driver version
782	Universal Firmware Package for Drives - VR000480KXNXE,VR000960KXNZU and VS001920KXNXF	Micron_7450_M7450ALLHPK4.fwpkg	VR000480KXNXE	HPK4	HPK4
783	Universal Firmware Package for Drives - VR000480KXNXE,VR000960KXNZU and VS001920KXNXF	Micron_7450_M7450ALLHPK4.fwpkg	VR000960KXNZU	HPK4	HPK4
784	Universal Firmware Package for Drives - VR000480KXNXE,VR000960KXNZU and VS001920KXNXF	Micron_7450_M7450ALLHPK4.fwpkg	VS001920KXNXF	HPK4	HPK4
785	Online NVMe SSD Flash Component for Linux (x64) - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives	firmware-hdd-6fc985bd3b-GPK7-7.1.x86_64.rpm	KCD6XLUL7T68	GPK7 (G)	GPK7
786	Online NVMe SSD Flash Component for Linux (x64) - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives	firmware-hdd-6fc985bd3b-GPK7-7.1.x86_64.rpm	KCD6XVUL6T40	GPK7 (G)	GPK7
787	Online NVMe SSD Flash Component for Linux (x64) -	firmware-hdd-6fc985bd3b-GPK7-7.1.x86_64.rpm	KCD6XVUL1T60	GPK7 (G)	GPK7

	KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives				
788	Online NVMe SSD Flash Component for Linux (x64) - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives	firmware-hdd-6fc985bd3b- GPK7-7.1.x86_64.rpm	KCD6XVUL800G	GPK7 (G)	GPK7
789	Online NVMe SSD Flash Component for Linux (x64) - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives	firmware-hdd-6fc985bd3b- GPK7-7.1.x86_64.rpm	KCD6XVUL3T20	GPK7 (G)	GPK7
790	Online NVMe SSD Flash Component for Linux (x64) - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives	firmware-hdd-6fc985bd3b- GPK7-7.1.x86_64.rpm	KCD6XLUL960G	GPK7 (G)	GPK7
791	Online NVMe SSD Flash Component for Linux (x64) - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40,	firmware-hdd-6fc985bd3b- GPK7-7.1.x86_64.rpm	KCD6XLUL1T92	GPK7 (G)	GPK7

	KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives				
792	Online NVMe SSD Flash Component for Linux (x64) - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives	firmware-hdd-6fc985bd3b- GPK7-7.1.x86_64.rpm	KCD6XLUL3T84	GPK7 (G)	GPK7
793	Online NVMe SSD Flash Component for Linux (x64) - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives	firmware-hdd-6fc985bd3b- GPK7-7.1.x86_64.rpm	KCD6XVUL12T8	GPK7 (G)	GPK7
794	Online NVMe SSD Flash Component for Linux (x64) - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives	firmware-hdd-6fc985bd3b- GPK7-7.1.x86_64.rpm	KCD6XLUL15T3	GPK7 (G)	GPK7
795	Online NVMe SSD Flash Component for Linux (x64) - KCM6FRUL1T92, KCM6FRUL3T84, KCM6FVUL1T60 and KCM6FVUL3T20 Drives	firmware-hdd-1a541ed00d- GPK5-7.1.x86_64.rpm	KCM6FRUL1T92	GPK5 (G)	GPK5
796	Online NVMe SSD Flash Component for Linux (x64) -	firmware-hdd-1a541ed00d- GPK5-7.1.x86_64.rpm	KCM6FRUL3T84	GPK5 (G)	GPK5

	KCM6FRUL1T92, KCM6FRUL3T84, KCM6FVUL1T60 and KCM6FVUL3T20 Drives				
797	Online NVMe SSD Flash Component for Linux (x64) - KCM6FRUL1T92, KCM6FRUL3T84, KCM6FVUL1T60 and KCM6FVUL3T20 Drives	firmware-hdd-1a541ed00d- GPK5-7.1.x86_64.rpm	KCM6FVUL3T20	GPK5 (G)	GPK5
798	Online NVMe SSD Flash Component for Linux (x64) - KCM6FRUL1T92, KCM6FRUL3T84, KCM6FVUL1T60 and KCM6FVUL3T20 Drives	firmware-hdd-1a541ed00d- GPK5-7.1.x86_64.rpm	KCM6FVUL1T60	GPK5 (G)	GPK5
799	Online NVMe SSD Flash Component for Linux (x64) - KCM6XVUL800G, KCM6XVUL1T60, KCM6XVUL3T20, KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92, KCM6XRUL3T84 and KCM6XRUL7T68 Drives	firmware-hdd-3815d4b024- GPK7-7.1.x86_64.rpm	KCM6XRUL960G	GPK7 (G)	GPK7
800	Online NVMe SSD Flash Component for Linux (x64) - KCM6XVUL800G, KCM6XVUL1T60, KCM6XVUL3T20, KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92, KCM6XRUL3T84 and KCM6XRUL7T68 Drives	firmware-hdd-3815d4b024- GPK7-7.1.x86_64.rpm	KCM6XRUL7T68	GPK7 (G)	GPK7
801	Online NVMe SSD Flash Component for Linux (x64) - KCM6XVUL800G, KCM6XVUL1T60, KCM6XVUL3T20, KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92, KCM6XRUL3T84 and KCM6XRUL7T68 Drives	firmware-hdd-3815d4b024- GPK7-7.1.x86_64.rpm	KCM6XRUL1T92	GPK7 (G)	GPK7

	Drives				
802	Online NVMe SSD Flash Component for Linux (x64) - KCM6XVUL800G, KCM6XVUL1T60, KCM6XVUL3T20, KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92, KCM6XRUL3T84 and KCM6XRUL7T68 Drives	firmware-hdd-3815d4b024-GPK7-7.1.x86_64.rpm	KCM6XVUL3T20	GPK7 (G)	GPK7
803	Online NVMe SSD Flash Component for Linux (x64) - KCM6XVUL800G, KCM6XVUL1T60, KCM6XVUL3T20, KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92, KCM6XRUL3T84 and KCM6XRUL7T68 Drives	firmware-hdd-3815d4b024-GPK7-7.1.x86_64.rpm	KCM6XRUL3T84	GPK7 (G)	GPK7
804	Online NVMe SSD Flash Component for Linux (x64) - KCM6XVUL800G, KCM6XVUL1T60, KCM6XVUL3T20, KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92, KCM6XRUL3T84 and KCM6XRUL7T68 Drives	firmware-hdd-3815d4b024-GPK7-7.1.x86_64.rpm	KCM6XVUL800G	GPK7 (G)	GPK7
805	Online NVMe SSD Flash Component for Linux (x64) - KCM6XVUL800G, KCM6XVUL1T60, KCM6XVUL3T20, KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92, KCM6XRUL3T84 and KCM6XRUL7T68 Drives	firmware-hdd-3815d4b024-GPK7-7.1.x86_64.rpm	KCM6XVUL6T40	GPK7 (G)	GPK7
806	Online NVMe SSD Flash Component for Linux (x64) - KCM6XVUL800G, KCM6XVUL1T60, KCM6XVUL3T20, KCM6XVUL6T40,	firmware-hdd-3815d4b024-GPK7-7.1.x86_64.rpm	KCM6XVUL1T60	GPK7 (G)	GPK7

	KCM6XRUL960G, KCM6XRUL1T92, KCM6XRUL3T84 and KCM6XRUL7T68 Drives				
807	Online NVMe SSD Flash Component for Linux (x64) - MK000800KWWFE, MK001600KWWFF, MK003200KWWFH, MK006400KWWFK, VK000960KWWFL, VK001920KWWFN, VK003840KWWFP and VK007680KWWFQ Drives	firmware-hdd-54addf5312- HPK3-15.1.x86_64.rpm	VK007680KWWF Q	HPK3 (O)	HPK3
808	Online NVMe SSD Flash Component for Linux (x64) - MK000800KWWFE, MK001600KWWFF, MK003200KWWFH, MK006400KWWFK, VK000960KWWFL, VK001920KWWFN, VK003840KWWFP and VK007680KWWFQ Drives	firmware-hdd-54addf5312- HPK3-15.1.x86_64.rpm	MK006400KWWF K	HPK3 (O)	HPK3
809	Online NVMe SSD Flash Component for Linux (x64) - MK000800KWWFE, MK001600KWWFF, MK003200KWWFH, MK006400KWWFK, VK000960KWWFL, VK001920KWWFN, VK003840KWWFP and VK007680KWWFQ Drives	firmware-hdd-54addf5312- HPK3-15.1.x86_64.rpm	VK003840KWWFP	HPK3 (O)	HPK3
810	Online NVMe SSD Flash Component for Linux (x64) - MK000800KWWFE, MK001600KWWFF, MK003200KWWFH, MK006400KWWFK, VK000960KWWFL, VK001920KWWFN, VK003840KWWFP and VK007680KWWFQ Drives	firmware-hdd-54addf5312- HPK3-15.1.x86_64.rpm	MK003200KWWF H	HPK3 (O)	HPK3
811	Online NVMe SSD Flash Component for Linux (x64) -	firmware-hdd-54addf5312- HPK3-15.1.x86_64.rpm	VK001920KWWF N	HPK3 (O)	HPK3

	MK000800KWWFE, MK001600KWWFF, MK003200KWWFH, MK006400KWWFK, VK000960KWWFL, VK001920KWWFN, VK003840KWWFP and VK007680KWWFQ Drives				
812	Online NVMe SSD Flash Component for Linux (x64) - MK000800KWWFE, MK001600KWWFF, MK003200KWWFH, MK006400KWWFK, VK000960KWWFL, VK001920KWWFN, VK003840KWWFP and VK007680KWWFQ Drives	firmware-hdd-54addf5312- HPK3-15.1.x86_64.rpm	MK001600KWWF F	HPK3 (O)	HPK3
813	Online NVMe SSD Flash Component for Linux (x64) - MK000800KWWFE, MK001600KWWFF, MK003200KWWFH, MK006400KWWFK, VK000960KWWFL, VK001920KWWFN, VK003840KWWFP and VK007680KWWFQ Drives	firmware-hdd-54addf5312- HPK3-15.1.x86_64.rpm	VK000960KWWFL	HPK3 (O)	HPK3
814	Online NVMe SSD Flash Component for Linux (x64) - MK000800KWWFE, MK001600KWWFF, MK003200KWWFH, MK006400KWWFK, VK000960KWWFL, VK001920KWWFN, VK003840KWWFP and VK007680KWWFQ Drives	firmware-hdd-54addf5312- HPK3-15.1.x86_64.rpm	MK00800KWWFE	HPK3 (O)	HPK3
815	Online NVMe SSD Flash Component for Linux (x64) - MZXL5800HBHQ- 000H3, MZXL51T6HBJR- 000H3, MZXL53T2HBL- 000H3, MZXL56T4HALA- 000H3,	firmware-hdd-e320db791d- MPK78H5Q-4.1.x86_64.rpm	MZXL515THALA- 000H3	MPK78H5Q (D)	MPK78H5Q

	MZXL512THALA-000H3, MZXL5960HBHQ-000H3, MZXL51T9HBJR-000H3, MZXL53T8HBLS-000H3, MZXL57T6HALA-000H3 and MZXL515THALA-00H3 Driv				
816	Online NVMe SSD Flash Component for Linux (x64) - MZXL5800HBHQ-000H3, MZXL51T6HBJR-000H3, MZXL53T2HBLS-000H3, MZXL56T4HALA-000H3, MZXL512THALA-000H3, MZXL5960HBHQ-000H3, MZXL51T9HBJR-000H3, MZXL53T8HBLS-000H3, MZXL57T6HALA-000H3 and MZXL515THALA-00H3 Driv	firmware-hdd-e320db791d-MPK78H5Q-4.1.x86_64.rpm	MZXL512THALA-000H3	MPK78H5Q (D)	MPK78H5Q
817	Online NVMe SSD Flash Component for Linux (x64) - MZXL5800HBHQ-000H3, MZXL51T6HBJR-000H3, MZXL53T2HBLS-000H3, MZXL56T4HALA-000H3, MZXL512THALA-000H3, MZXL5960HBHQ-000H3, MZXL51T9HBJR-000H3, MZXL53T8HBLS-000H3, MZXL57T6HALA-000H3 and	firmware-hdd-e320db791d-MPK78H5Q-4.1.x86_64.rpm	MZXL57T6HALA-000H3	MPK78H5Q (D)	MPK78H5Q

	MZXL515THALA-00H3 Driv				
818	Online NVMe SSD Flash Component for Linux (x64) - MZXL5800HBHQ- 000H3, MZXL51T6HBJR- 000H3, MZXL53T2HBLS- 000H3, MZXL56T4HALA- 000H3, MZXL512THALA- 000H3, MZXL5960HBHQ- 000H3, MZXL51T9HBJR- 000H3, MZXL53T8HBLS- 000H3, MZXL57T6HALA- 000H3 and MZXL515THALA-00H3 Driv	firmware-hdd-e320db791d- MPK78H5Q-4.1.x86_64.rpm	MZXL56T4HALA- 000H3	MPK78H5Q (D)	MPK78H5Q
819	Online NVMe SSD Flash Component for Linux (x64) - MZXL5800HBHQ- 000H3, MZXL51T6HBJR- 000H3, MZXL53T2HBLS- 000H3, MZXL56T4HALA- 000H3, MZXL512THALA- 000H3, MZXL5960HBHQ- 000H3, MZXL51T9HBJR- 000H3, MZXL53T8HBLS- 000H3, MZXL57T6HALA- 000H3 and MZXL515THALA-00H3 Driv	firmware-hdd-e320db791d- MPK78H5Q-4.1.x86_64.rpm	MZXL53T8HBLS- 000H3	MPK78H5Q (D)	MPK78H5Q
820	Online NVMe SSD Flash Component for Linux (x64) - MZXL5800HBHQ- 000H3, MZXL51T6HBJR- 000H3, MZXL53T2HBLS-	firmware-hdd-e320db791d- MPK78H5Q-4.1.x86_64.rpm	MZXL53T2HBLS- 000H3	MPK78H5Q (D)	MPK78H5Q

	000H3, MZXL56T4HALA-000H3, MZXL512THALA-000H3, MZXL5960HBHQ-000H3, MZXL51T9HBJR-000H3, MZXL53T8HBLS-000H3, MZXL57T6HALA-000H3 and MZXL515THALA-00H3 Driv				
821	Online NVMe SSD Flash Component for Linux (x64) - MZXL5800HBHQ-000H3, MZXL51T6HBJR-000H3, MZXL53T2HBLS-000H3, MZXL56T4HALA-000H3, MZXL512THALA-000H3, MZXL5960HBHQ-000H3, MZXL51T9HBJR-000H3, MZXL53T8HBLS-000H3, MZXL57T6HALA-000H3 and MZXL515THALA-00H3 Driv	firmware-hdd-e320db791d-MPK78H5Q-4.1.x86_64.rpm	MZXL51T9HBJR-000H3	MPK78H5Q (D)	MPK78H5Q
822	Online NVMe SSD Flash Component for Linux (x64) - MZXL5800HBHQ-000H3, MZXL51T6HBJR-000H3, MZXL53T2HBLS-000H3, MZXL56T4HALA-000H3, MZXL512THALA-000H3, MZXL5960HBHQ-000H3, MZXL51T9HBJR-000H3, MZXL53T8HBLS-	firmware-hdd-e320db791d-MPK78H5Q-4.1.x86_64.rpm	MZXL51T6HBJR-000H3	MPK78H5Q (D)	MPK78H5Q

	000H3, MZXL57T6HALA-000H3 and MZXL515THALA-00H3 Driv				
823	Online NVMe SSD Flash Component for Linux (x64) - MZXL5800HBHQ-000H3, MZXL51T6HBJR-000H3, MZXL53T2HBLS-000H3, MZXL56T4HALA-000H3, MZXL512THALA-000H3, MZXL5960HBHQ-000H3, MZXL51T9HBJR-000H3, MZXL53T8HBLS-000H3, MZXL57T6HALA-000H3 and MZXL515THALA-00H3 Driv	firmware-hdd-e320db791d- MPK78H5Q-4.1.x86_64.rpm	MZXL5960HBHQ-000H3	MPK78H5Q (D)	MPK78H5Q
824	Online NVMe SSD Flash Component for Linux (x64) - MZXL5800HBHQ-000H3, MZXL51T6HBJR-000H3, MZXL53T2HBLS-000H3, MZXL56T4HALA-000H3, MZXL512THALA-000H3, MZXL5960HBHQ-000H3, MZXL51T9HBJR-000H3, MZXL53T8HBLS-000H3, MZXL57T6HALA-000H3 and MZXL515THALA-00H3 Driv	firmware-hdd-e320db791d- MPK78H5Q-4.1.x86_64.rpm	MZXL5800HBHQ-000H3	MPK78H5Q (D)	MPK78H5Q
825	Online NVMe SSD Flash Component for Linux (x64) - VO000960KWUEA, VO001920KWUEB,	firmware-hdd-726d5ec795- HPK3-4.1.x86_64.rpm	VO000960KWUEA	HPK3 (D)	HPK3

	VO003840KWUEC, VO007680KWUED, VO015360KWUEE, MO000800KWUDR, MO001600KWUDT, MO003200KWUDU and MO006400KWUDV Drives				
826	Online NVMe SSD Flash Component for Linux (x64) - VO000960KWUEA, VO001920KWUEB, VO003840KWUEC, VO007680KWUED, VO015360KWUEE, MO000800KWUDR, MO001600KWUDT, MO003200KWUDU and MO006400KWUDV Drives	firmware-hdd-726d5ec795- HPK3-4.1.x86_64.rpm	VO001920KWUEB	HPK3 (D)	HPK3
827	Online NVMe SSD Flash Component for Linux (x64) - VO000960KWUEA, VO001920KWUEB, VO003840KWUEC, VO007680KWUED, VO015360KWUEE, MO000800KWUDR, MO001600KWUDT, MO003200KWUDU and MO006400KWUDV Drives	firmware-hdd-726d5ec795- HPK3-4.1.x86_64.rpm	VO003840KWUEC	HPK3 (D)	HPK3
828	Online NVMe SSD Flash Component for Linux (x64) - VO000960KWUEA, VO001920KWUEB, VO003840KWUEC, VO007680KWUED, VO015360KWUEE, MO000800KWUDR, MO001600KWUDT, MO003200KWUDU and MO006400KWUDV Drives	firmware-hdd-726d5ec795- HPK3-4.1.x86_64.rpm	VO007680KWUED	HPK3 (D)	HPK3
829	Online NVMe SSD Flash Component for Linux (x64) - VO000960KWUEA, VO001920KWUEB,	firmware-hdd-726d5ec795- HPK3-4.1.x86_64.rpm	VO015360KWUEE	HPK3 (D)	HPK3

	VO003840KWUEC, VO007680KWUED, VO015360KWUEE, MO000800KWUDR, MO001600KWUDT, MO003200KWUDU and MO006400KWUDV Drives				
830	Online NVMe SSD Flash Component for Linux (x64) - VO000960KWUEA, VO001920KWUEB, VO003840KWUEC, VO007680KWUED, VO015360KWUEE, MO000800KWUDR, MO001600KWUDT, MO003200KWUDU and MO006400KWUDV Drives	firmware-hdd-726d5ec795- HPK3-4.1.x86_64.rpm	MO000800KWUD R	HPK3 (D)	HPK3
831	Online NVMe SSD Flash Component for Linux (x64) - VO000960KWUEA, VO001920KWUEB, VO003840KWUEC, VO007680KWUED, VO015360KWUEE, MO000800KWUDR, MO001600KWUDT, MO003200KWUDU and MO006400KWUDV Drives	firmware-hdd-726d5ec795- HPK3-4.1.x86_64.rpm	MO001600KWUD T	HPK3 (D)	HPK3
832	Online NVMe SSD Flash Component for Linux (x64) - VO000960KWUEA, VO001920KWUEB, VO003840KWUEC, VO007680KWUED, VO015360KWUEE, MO000800KWUDR, MO001600KWUDT, MO003200KWUDU and MO006400KWUDV Drives	firmware-hdd-726d5ec795- HPK3-4.1.x86_64.rpm	MO003200KWUD U	HPK3 (D)	HPK3
833	Online NVMe SSD Flash Component for Linux (x64) - VO000960KWUEA, VO001920KWUEB,	firmware-hdd-726d5ec795- HPK3-4.1.x86_64.rpm	MO006400KWUD V	HPK3 (D)	HPK3

	VO003840KWUEC, VO007680KWUED, VO015360KWUEE, MO000800KWUDR, MO001600KWUDT, MO003200KWUDU and MO006400KWUDV Drives				
834	Online NVMe SSD Flash Component for Linux (x64) - VO000960KWVBR, VO001920KWVBT and VO003840KWVBU Drives	firmware-hdd-a9843986b0- HPK3-4.1.x86_64.rpm	VO000960KWVBR	HPK3 (D)	HPK3
835	Online NVMe SSD Flash Component for Linux (x64) - VO000960KWVBR, VO001920KWVBT and VO003840KWVBU Drives	firmware-hdd-a9843986b0- HPK3-4.1.x86_64.rpm	VO003840KWVBU	HPK3 (D)	HPK3
836	Online NVMe SSD Flash Component for Linux (x64) - VO000960KWVBR, VO001920KWVBT and VO003840KWVBU Drives	firmware-hdd-a9843986b0- HPK3-4.1.x86_64.rpm	VO001920KWVBT	HPK3 (D)	HPK3
837	Online NVMe SSD Flash Component for Linux (x64) - VO000960KXAVL, VO001920KXAVP, VO003840KXAVQ, VO007680KXAVR, MO000800KXAVN, MO001600KXAVT, MO003200KXAVU and MO006400KXAVV Drives	firmware-hdd-035a863453- HPK5-9.1.x86_64.rpm	VO000960KXAVL	HPK5 (I)	HPK5
838	Online NVMe SSD Flash Component for Linux (x64) - VO000960KXAVL, VO001920KXAVP, VO003840KXAVQ, VO007680KXAVR, MO000800KXAVN, MO001600KXAVT, MO003200KXAVU and MO006400KXAVV Drives	firmware-hdd-035a863453- HPK5-9.1.x86_64.rpm	MO000800KXAVN	HPK5 (I)	HPK5
839	Online NVMe SSD	firmware-hdd-035a863453-	MO001600KXAVT	HPK5 (I)	HPK5

	Flash Component for Linux (x64) - VO000960KXAVL, VO001920KXAVP, VO003840KXAVQ, VO007680KXAVR, MO000800KXAVN, MO001600KXAVT, MO003200KXAVU and MO006400KXAVV Drives	HPK5-9.1.x86_64.rpm			
840	Online NVMe SSD Flash Component for Linux (x64) - VO000960KXAVL, VO001920KXAVP, VO003840KXAVQ, VO007680KXAVR, MO000800KXAVN, MO001600KXAVT, MO003200KXAVU and MO006400KXAVV Drives	firmware-hdd-035a863453-HPK5-9.1.x86_64.rpm	MO003200KXAVU	HPK5 (I)	HPK5
841	Online NVMe SSD Flash Component for Linux (x64) - VO000960KXAVL, VO001920KXAVP, VO003840KXAVQ, VO007680KXAVR, MO000800KXAVN, MO001600KXAVT, MO003200KXAVU and MO006400KXAVV Drives	firmware-hdd-035a863453-HPK5-9.1.x86_64.rpm	MO006400KXAVV	HPK5 (I)	HPK5
842	Online NVMe SSD Flash Component for Linux (x64) - VO000960KXAVL, VO001920KXAVP, VO003840KXAVQ, VO007680KXAVR, MO000800KXAVN, MO001600KXAVT, MO003200KXAVU and MO006400KXAVV Drives	firmware-hdd-035a863453-HPK5-9.1.x86_64.rpm	VO003840KXAVQ	HPK5 (I)	HPK5
843	Online NVMe SSD Flash Component for Linux (x64) - VO000960KXAVL, VO001920KXAVP, VO003840KXAVQ, VO007680KXAVR, MO000800KXAVN, MO001600KXAVT,	firmware-hdd-035a863453-HPK5-9.1.x86_64.rpm	VO007680KXAVR	HPK5 (I)	HPK5

	MO003200KXAVU and MO006400KXAVV Drives				
844	Online NVMe SSD Flash Component for Linux (x64) - VO000960KXAVL, VO001920KXAVP, VO003840KXAVQ, VO007680KXAVR, MO000800KXAVN, MO001600KXAVT, MO003200KXAVU and MO006400KXAVV Drives	firmware-hdd-035a863453-HPK5-9.1.x86_64.rpm	VO001920KXAVP	HPK5 (I)	HPK5
845	Online NVMe SSD Flash Component for Linux (x64) - VO001920KYDMT, VO003840KYDMV, MO001600KYDMU, MO003200KYDNC, MO006400KYDND, VO007680KYDNA and VO015360KYDNB Drives	firmware-hdd-a27c95663d-HPK6-2.1.x86_64.rpm	MO001600KYDMU	HPK6 (B)	HPK6
846	Online NVMe SSD Flash Component for Linux (x64) - VO001920KYDMT, VO003840KYDMV, MO001600KYDMU, MO003200KYDNC, MO006400KYDND, VO007680KYDNA and VO015360KYDNB Drives	firmware-hdd-a27c95663d-HPK6-2.1.x86_64.rpm	MO006400KYDND	HPK6 (B)	HPK6
847	Online NVMe SSD Flash Component for Linux (x64) - VO001920KYDMT, VO003840KYDMV, MO001600KYDMU, MO003200KYDNC, MO006400KYDND, VO007680KYDNA and VO015360KYDNB Drives	firmware-hdd-a27c95663d-HPK6-2.1.x86_64.rpm	VO015360KYDNB	HPK6 (B)	HPK6
848	Online NVMe SSD Flash Component for Linux (x64) - VO001920KYDMT, VO003840KYDMV, MO001600KYDMU, MO003200KYDNC, MO006400KYDND,	firmware-hdd-a27c95663d-HPK6-2.1.x86_64.rpm	VO007680KYDNA	HPK6 (B)	HPK6

	VO007680KYDNA and VO015360KYDNB Drives				
849	Online NVMe SSD Flash Component for Linux (x64) - VO001920KYDMT, VO003840KYDMV, MO001600KYDMU, MO003200KYDNC, MO006400KYDND, VO007680KYDNA and VO015360KYDNB Drives	firmware-hdd-a27c95663d- HPK6-2.1.x86_64.rpm	MO003200KYDNC	HPK6 (B)	HPK6
850	Online NVMe SSD Flash Component for Linux (x64) - VO001920KYDMT, VO003840KYDMV, MO001600KYDMU, MO003200KYDNC, MO006400KYDND, VO007680KYDNA and VO015360KYDNB Drives	firmware-hdd-a27c95663d- HPK6-2.1.x86_64.rpm	VO001920KYDMT	HPK6 (B)	HPK6
851	Online NVMe SSD Flash Component for Linux (x64) - VO001920KYDMT, VO003840KYDMV, MO001600KYDMU, MO003200KYDNC, MO006400KYDND, VO007680KYDNA and VO015360KYDNB Drives	firmware-hdd-a27c95663d- HPK6-2.1.x86_64.rpm	VO003840KYDMV	HPK6 (B)	HPK6
852	Online NVMe SSD Flash Component for Linux (x64) - VO002000KWVVC, VO004000KWVUR, MO001600KWVUU, MO003200KWVUV and MO006400KWVVA Drives	firmware-hdd-92d876cfea- 4ICRHPK3-13.1.x86_64.rpm	VO002000KWVVC	4ICRHPK3 (M)	4ICRHPK3
853	Online NVMe SSD Flash Component for Linux (x64) - VO002000KWVVC, VO004000KWVUR, MO001600KWVUU, MO003200KWVUV and MO006400KWVVA Drives	firmware-hdd-92d876cfea- 4ICRHPK3-13.1.x86_64.rpm	VO004000KWVUR	4ICRHPK3 (M)	4ICRHPK3

854	Online NVMe SSD Flash Component for Linux (x64) - VO002000KVVVC, VO004000KVVUR, MO001600KVVUU, MO003200KVVUV and MO006400KVVVA Drives	firmware-hdd-92d876cfea-4ICRHPK3-13.1.x86_64.rpm	MO001600KVVU U	4ICRHPK3 (M)	4ICRHPK3
855	Online NVMe SSD Flash Component for Linux (x64) - VO002000KVVVC, VO004000KVVUR, MO001600KVVUU, MO003200KVVUV and MO006400KVVVA Drives	firmware-hdd-92d876cfea-4ICRHPK3-13.1.x86_64.rpm	MO003200KVVU V	4ICRHPK3 (M)	4ICRHPK3
856	Online NVMe SSD Flash Component for Linux (x64) - VO002000KVVVC, VO004000KVVUR, MO001600KVVUU, MO003200KVVUV and MO006400KVVVA Drives	firmware-hdd-92d876cfea-4ICRHPK3-13.1.x86_64.rpm	MO006400KVVV A	4ICRHPK3 (M)	4ICRHPK3
857	Online NVMe SSD Flash Component for Linux (x64) - VS000480KXALB, VS003840KWXFQ, VS001920KWXFP and VS000960KWXFN Drives	firmware-hdd-805abb7e9c-85032G00-10.1.x86_64.rpm	VS003840KWXFQ	85032G00 (J)	85032G00
858	Online NVMe SSD Flash Component for Linux (x64) - VS000480KXALB, VS003840KWXFQ, VS001920KWXFP and VS000960KWXFN Drives	firmware-hdd-805abb7e9c-85032G00-10.1.x86_64.rpm	VS001920KWXFP	85032G00 (J)	85032G00
859	Online NVMe SSD Flash Component for Linux (x64) - VS000480KXALB, VS003840KWXFQ, VS001920KWXFP and VS000960KWXFN Drives	firmware-hdd-805abb7e9c-85032G00-10.1.x86_64.rpm	VS000960KWXFN	85032G00 (J)	85032G00
860	Online NVMe SSD	firmware-hdd-805abb7e9c-	VS000480KXALB	85032G00	85032G00

	Flash Component for Linux (x64) - VS000480KXALB, VS003840KWXFQ, VS001920KWXFP and VS000960KWXFN Drives	85032G00-10.1.x86_64.rpm		(J)	
861	Online NVMe SSD Flash Component for Linux (x64) - MZXLR800HBHQ-000H3, MZXLR1T6HBJR-000H3, MZXLR3T2HBLS-000H3, MZXLR6T4HALA-000H3, MZXLR12THALA-000H3, MZXLR960HBHQ-000H3, MZXLR1T9HBJR-000H3, MZXLR3T8HBLS-000H3, MZXLR7T6HALA-000H3 and MZXLR15THALA-000H3 Driv	firmware-hdd-951aefd63e-MPK7825Q-4.1.x86_64.rpm	MZXLR12THALA-000H3	MPK7825Q (D)	MPK7825Q
862	Online NVMe SSD Flash Component for Linux (x64) - MZXLR800HBHQ-000H3, MZXLR1T6HBJR-000H3, MZXLR3T2HBLS-000H3, MZXLR6T4HALA-000H3, MZXLR12THALA-000H3, MZXLR960HBHQ-000H3, MZXLR1T9HBJR-000H3, MZXLR3T8HBLS-000H3, MZXLR7T6HALA-000H3 and MZXLR15THALA-000H3 Driv	firmware-hdd-951aefd63e-MPK7825Q-4.1.x86_64.rpm	MZXLR15THALA-000H3	MPK7825Q (D)	MPK7825Q
863	Online NVMe SSD Flash Component for Linux (x64) -	firmware-hdd-951aefd63e-MPK7825Q-4.1.x86_64.rpm	MZXLR7T6HALA-000H3	MPK7825Q (D)	MPK7825Q

	MZXLR800HBHQ-000H3, MZXLR1T6HBJR-000H3, MZXLR3T2HBLS-000H3, MZXLR6T4HALA-000H3, MZXLR12THALA-000H3, MZXLR960HBHQ-000H3, MZXLR1T9HBJR-000H3, MZXLR3T8HBLS-000H3, MZXLR7T6HALA-000H3 and MZXLR15THALA-000H3 Driv				
864	Online NVMe SSD Flash Component for Linux (x64) - MZXLR800HBHQ-000H3, MZXLR1T6HBJR-000H3, MZXLR3T2HBLS-000H3, MZXLR6T4HALA-000H3, MZXLR12THALA-000H3, MZXLR960HBHQ-000H3, MZXLR1T9HBJR-000H3, MZXLR3T8HBLS-000H3, MZXLR7T6HALA-000H3 and MZXLR15THALA-000H3 Driv	firmware-hdd-951aefd63e-MPK7825Q-4.1.x86_64.rpm	MZXLR1T6HBJR-000H3	MPK7825Q (D)	MPK7825Q
865	Online NVMe SSD Flash Component for Linux (x64) - MZXLR800HBHQ-000H3, MZXLR1T6HBJR-000H3, MZXLR3T2HBLS-000H3, MZXLR6T4HALA-000H3, MZXLR12THALA-000H3,	firmware-hdd-951aefd63e-MPK7825Q-4.1.x86_64.rpm	MZXLR800HBHQ-000H3	MPK7825Q (D)	MPK7825Q

	MZXLR960HBHQ-000H3, MZXLR1T9HBJR-000H3, MZXLR3T8HBLS-000H3, MZXLR7T6HALA-000H3 and MZXLR15THALA-000H3 Driv				
866	Online NVMe SSD Flash Component for Linux (x64) - MZXLR800HBHQ-000H3, MZXLR1T6HBJR-000H3, MZXLR3T2HBLS-000H3, MZXLR6T4HALA-000H3, MZXLR12THALA-000H3, MZXLR960HBHQ-000H3, MZXLR1T9HBJR-000H3, MZXLR3T8HBLS-000H3, MZXLR7T6HALA-000H3 and MZXLR15THALA-000H3 Driv	firmware-hdd-951aefd63e-MPK7825Q-4.1.x86_64.rpm	MZXLR3T2HBLS-000H3	MPK7825Q (D)	MPK7825Q
867	Online NVMe SSD Flash Component for Linux (x64) - MZXLR800HBHQ-000H3, MZXLR1T6HBJR-000H3, MZXLR3T2HBLS-000H3, MZXLR6T4HALA-000H3, MZXLR12THALA-000H3, MZXLR960HBHQ-000H3, MZXLR1T9HBJR-000H3, MZXLR3T8HBLS-000H3, MZXLR7T6HALA-000H3 and MZXLR15THALA-000H3 Driv	firmware-hdd-951aefd63e-MPK7825Q-4.1.x86_64.rpm	MZXLR6T4HALA-000H3	MPK7825Q (D)	MPK7825Q

868	Online NVMe SSD Flash Component for Linux (x64) - MZXLR800HBHQ-000H3, MZXLR1T6HBJR-000H3, MZXLR3T2HBLS-000H3, MZXLR6T4HALA-000H3, MZXLR12THALA-000H3, MZXLR960HBHQ-000H3, MZXLR1T9HBJR-000H3, MZXLR3T8HBLS-000H3, MZXLR7T6HALA-000H3 and MZXLR15THALA-000H3 Driv	firmware-hdd-951aefd63e-MPK7825Q-4.1.x86_64.rpm	MZXLR1T9HBJR-000H3	MPK7825Q (D)	MPK7825Q
869	Online NVMe SSD Flash Component for Linux (x64) - MZXLR800HBHQ-000H3, MZXLR1T6HBJR-000H3, MZXLR3T2HBLS-000H3, MZXLR6T4HALA-000H3, MZXLR12THALA-000H3, MZXLR960HBHQ-000H3, MZXLR1T9HBJR-000H3, MZXLR3T8HBLS-000H3, MZXLR7T6HALA-000H3 and MZXLR15THALA-000H3 Driv	firmware-hdd-951aefd63e-MPK7825Q-4.1.x86_64.rpm	MZXLR3T8HBLS-000H3	MPK7825Q (D)	MPK7825Q
870	Online NVMe SSD Flash Component for Linux (x64) - MZXLR800HBHQ-000H3, MZXLR1T6HBJR-000H3, MZXLR3T2HBLS-000H3, MZXLR6T4HALA-	firmware-hdd-951aefd63e-MPK7825Q-4.1.x86_64.rpm	MZXLR960HBHQ-000H3	MPK7825Q (D)	MPK7825Q

	000H3, MZXR12THALA-000H3, MZXR960HBHQ-000H3, MZXR1T9HBJR-000H3, MZXR3T8HBL-000H3, MZXR7T6HALA-000H3 and MZXR15THALA-000H3 Driv				
871	Online NVMe SSD Flash Component for VMware ESXi - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives	CP065951.zip	KCD6XLUL7T68	GPK7 (C)	GPK7
872	Online NVMe SSD Flash Component for VMware ESXi - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives	CP065951.zip	KCD6XVUL6T40	GPK7 (C)	GPK7
873	Online NVMe SSD Flash Component for VMware ESXi - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives	CP065951.zip	KCD6XVUL1T60	GPK7 (C)	GPK7
874	Online NVMe SSD Flash Component for VMware ESXi - KCD6XVUL800G,	CP065951.zip	KCD6XVUL800G	GPK7 (C)	GPK7

	KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives				
875	Online NVMe SSD Flash Component for VMware ESXi - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives	CP065951.zip	KCD6XVUL3T20	GPK7 (C)	GPK7
876	Online NVMe SSD Flash Component for VMware ESXi - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives	CP065951.zip	KCD6XVUL12T8	GPK7 (C)	GPK7
877	Online NVMe SSD Flash Component for VMware ESXi - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives	CP065951.zip	KCD6XLUL960G	GPK7 (C)	GPK7
878	Online NVMe SSD Flash Component for VMware ESXi - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8,	CP065951.zip	KCD6XLUL1T92	GPK7 (C)	GPK7

	KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives				
879	Online NVMe SSD Flash Component for VMware ESXi - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives	CP065951.zip	KCD6XLUL3T84	GPK7 (C)	GPK7
880	Online NVMe SSD Flash Component for VMware ESXi - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives	CP065951.zip	KCD6XLUL15T3	GPK7 (C)	GPK7
881	Online NVMe SSD Flash Component for VMware ESXi - KCM6FRUL1T92, KCM6FRUL3T84, KCM6FVUL1T60 and KCM6FVUL3T20 Drives	CP065965.zip	KCM6FRUL1T92	GPK5 (C)	GPK5
882	Online NVMe SSD Flash Component for VMware ESXi - KCM6FRUL1T92, KCM6FRUL3T84, KCM6FVUL1T60 and KCM6FVUL3T20 Drives	CP065965.zip	KCM6FRUL3T84	GPK5 (C)	GPK5
883	Online NVMe SSD Flash Component for VMware ESXi - KCM6FRUL1T92, KCM6FRUL3T84, KCM6FVUL1T60 and KCM6FVUL3T20 Drives	CP065965.zip	KCM6FVUL3T20	GPK5 (C)	GPK5

884	Online NVMe SSD Flash Component for VMware ESXi - KCM6FRUL1T92, KCM6FRUL3T84, KCM6FVUL1T60 and KCM6FVUL3T20 Drives	CP065965.zip	KCM6FVUL1T60	GPK5 (C)	GPK5
885	Online NVMe SSD Flash Component for VMware ESXi - KCM6XVUL800G, KCM6XVUL1T60, KCM6XVUL3T20, KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92, KCM6XRUL3T84 and KCM6XRUL7T68 Drives	CP065953.zip	KCM6XRUL960G	GPK7 (C)	GPK7
886	Online NVMe SSD Flash Component for VMware ESXi - KCM6XVUL800G, KCM6XVUL1T60, KCM6XVUL3T20, KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92, KCM6XRUL3T84 and KCM6XRUL7T68 Drives	CP065953.zip	KCM6XRUL7T68	GPK7 (C)	GPK7
887	Online NVMe SSD Flash Component for VMware ESXi - KCM6XVUL800G, KCM6XVUL1T60, KCM6XVUL3T20, KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92, KCM6XRUL3T84 and KCM6XRUL7T68 Drives	CP065953.zip	KCM6XRUL1T92	GPK7 (C)	GPK7
888	Online NVMe SSD Flash Component for VMware ESXi - KCM6XVUL800G, KCM6XVUL1T60, KCM6XVUL3T20, KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92, KCM6XRUL3T84 and KCM6XRUL7T68 Drives	CP065953.zip	KCM6XVUL3T20	GPK7 (C)	GPK7

889	Online NVMe SSD Flash Component for VMware ESXi - KCM6XVUL800G, KCM6XVUL1T60, KCM6XVUL3T20, KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92, KCM6XRUL3T84 and KCM6XRUL7T68 Drives	CP065953.zip	KCM6XRUL3T84	GPK7 (C)	GPK7
890	Online NVMe SSD Flash Component for VMware ESXi - KCM6XVUL800G, KCM6XVUL1T60, KCM6XVUL3T20, KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92, KCM6XRUL3T84 and KCM6XRUL7T68 Drives	CP065953.zip	KCM6XVUL800G	GPK7 (C)	GPK7
891	Online NVMe SSD Flash Component for VMware ESXi - KCM6XVUL800G, KCM6XVUL1T60, KCM6XVUL3T20, KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92, KCM6XRUL3T84 and KCM6XRUL7T68 Drives	CP065953.zip	KCM6XVUL6T40	GPK7 (C)	GPK7
892	Online NVMe SSD Flash Component for VMware ESXi - KCM6XVUL800G, KCM6XVUL1T60, KCM6XVUL3T20, KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92, KCM6XRUL3T84 and KCM6XRUL7T68 Drives	CP065953.zip	KCM6XVUL1T60	GPK7 (C)	GPK7
893	Online NVMe SSD Flash Component for VMware ESXi - MK000800KWWFE, MK001600KWWFF, MK003200KWWFH, MK006400KWWFK, VK000960KWWFL,	CP065974.zip	VK007680KWWF Q	HPK3 (H)	HPK3

	VK001920KWWFN, VK003840KWWFP and VK007680KWWFQ Drives				
894	Online NVMe SSD Flash Component for VMware ESXi - MK000800KWWFE, MK001600KWWFF, MK003200KWWFH, MK006400KWWFK, VK000960KWWFL, VK001920KWWFN, VK003840KWWFP and VK007680KWWFQ Drives	CP065974.zip	MK006400KWWF K	HPK3 (H)	HPK3
895	Online NVMe SSD Flash Component for VMware ESXi - MK000800KWWFE, MK001600KWWFF, MK003200KWWFH, MK006400KWWFK, VK000960KWWFL, VK001920KWWFN, VK003840KWWFP and VK007680KWWFQ Drives	CP065974.zip	VK003840KWWFP	HPK3 (H)	HPK3
896	Online NVMe SSD Flash Component for VMware ESXi - MK000800KWWFE, MK001600KWWFF, MK003200KWWFH, MK006400KWWFK, VK000960KWWFL, VK001920KWWFN, VK003840KWWFP and VK007680KWWFQ Drives	CP065974.zip	MK003200KWWF H	HPK3 (H)	HPK3
897	Online NVMe SSD Flash Component for VMware ESXi - MK000800KWWFE, MK001600KWWFF, MK003200KWWFH, MK006400KWWFK, VK000960KWWFL, VK001920KWWFN, VK003840KWWFP and VK007680KWWFQ Drives	CP065974.zip	VK001920KWWF N	HPK3 (H)	HPK3
898	Online NVMe SSD Flash Component for VMware ESXi - MK000800KWWFE,	CP065974.zip	MK001600KWWF F	HPK3 (H)	HPK3

	MK001600KWWFF, MK003200KWWFH, MK006400KWWFK, VK000960KWWFL, VK001920KWWFN, VK003840KWWFP and VK007680KWWFQ Drives				
899	Online NVMe SSD Flash Component for VMware ESXi - MK000800KWWFE, MK001600KWWFF, MK003200KWWFH, MK006400KWWFK, VK000960KWWFL, VK001920KWWFN, VK003840KWWFP and VK007680KWWFQ Drives	CP065974.zip	VK000960KWWFL	HPK3 (H)	HPK3
900	Online NVMe SSD Flash Component for VMware ESXi - MK000800KWWFE, MK001600KWWFF, MK003200KWWFH, MK006400KWWFK, VK000960KWWFL, VK001920KWWFN, VK003840KWWFP and VK007680KWWFQ Drives	CP065974.zip	MK00800KWWFE	HPK3 (H)	HPK3
901	Online NVMe SSD Flash Component for VMware ESXi - MZXL5800HBHQ- 000H3, MZXL51T6HBJR- 000H3, MZXL53T2HBLS- 000H3, MZXL56T4HALA- 000H3, MZXL512THALA- 000H3, MZXL5960HBHQ- 000H3, MZXL51T9HBJR- 000H3, MZXL53T8HBLS- 000H3, MZXL57T6HALA- 000H3 and MZXL515THALA-00H3 Driv	CP065984.zip	MZXL515THALA- 000H3	MPK78H5Q (B)	MPK78H5Q
902	Online NVMe SSD	CP065984.zip	MZXL512THALA-	MPK78H5Q	MPK78H5Q

	Flash Component for VMware ESXi - MZXL5800HBHQ-000H3, MZXL51T6HBJR-000H3, MZXL53T2HBLS-000H3, MZXL56T4HALA-000H3, MZXL512THALA-000H3, MZXL5960HBHQ-000H3, MZXL51T9HBJR-000H3, MZXL53T8HBLS-000H3, MZXL57T6HALA-000H3 and MZXL515THALA-00H3 Driv		000H3	(B)	
903	Online NVMe SSD Flash Component for VMware ESXi - MZXL5800HBHQ-000H3, MZXL51T6HBJR-000H3, MZXL53T2HBLS-000H3, MZXL56T4HALA-000H3, MZXL512THALA-000H3, MZXL5960HBHQ-000H3, MZXL51T9HBJR-000H3, MZXL53T8HBLS-000H3, MZXL57T6HALA-000H3 and MZXL515THALA-00H3 Driv	CP065984.zip	MZXL57T6HALA-000H3	MPK78H5Q (B)	MPK78H5Q
904	Online NVMe SSD Flash Component for VMware ESXi - MZXL5800HBHQ-000H3, MZXL51T6HBJR-000H3, MZXL53T2HBLS-000H3, MZXL56T4HALA-000H3,	CP065984.zip	MZXL56T4HALA-000H3	MPK78H5Q (B)	MPK78H5Q

	MZXL512THALA-000H3, MZXL5960HBHQ-000H3, MZXL51T9HBJR-000H3, MZXL53T8HBLS-000H3, MZXL57T6HALA-000H3 and MZXL515THALA-00H3 Driv				
905	Online NVMe SSD Flash Component for VMware ESXi - MZXL5800HBHQ-000H3, MZXL51T6HBJR-000H3, MZXL53T2HBLS-000H3, MZXL56T4HALA-000H3, MZXL512THALA-000H3, MZXL5960HBHQ-000H3, MZXL51T9HBJR-000H3, MZXL53T8HBLS-000H3, MZXL57T6HALA-000H3 and MZXL515THALA-00H3 Driv	CP065984.zip	MZXL53T8HBLS-000H3	MPK78H5Q (B)	MPK78H5Q
906	Online NVMe SSD Flash Component for VMware ESXi - MZXL5800HBHQ-000H3, MZXL51T6HBJR-000H3, MZXL53T2HBLS-000H3, MZXL56T4HALA-000H3, MZXL512THALA-000H3, MZXL5960HBHQ-000H3, MZXL51T9HBJR-000H3, MZXL53T8HBLS-000H3, MZXL57T6HALA-000H3 and	CP065984.zip	MZXL53T2HBLS-000H3	MPK78H5Q (B)	MPK78H5Q

	MZXL515THALA-00H3 Driv				
907	Online NVMe SSD Flash Component for VMware ESXi - MZXL5800HBHQ- 000H3, MZXL51T6HBJR- 000H3, MZXL53T2HBLS- 000H3, MZXL56T4HALA- 000H3, MZXL512THALA- 000H3, MZXL5960HBHQ- 000H3, MZXL51T9HBJR- 000H3, MZXL53T8HBLS- 000H3, MZXL57T6HALA- 000H3 and MZXL515THALA-00H3 Driv	CP065984.zip	MZXL51T6HBJR- 000H3	MPK78H5Q (B)	MPK78H5Q
908	Online NVMe SSD Flash Component for VMware ESXi - MZXL5800HBHQ- 000H3, MZXL51T6HBJR- 000H3, MZXL53T2HBLS- 000H3, MZXL56T4HALA- 000H3, MZXL512THALA- 000H3, MZXL5960HBHQ- 000H3, MZXL51T9HBJR- 000H3, MZXL53T8HBLS- 000H3, MZXL57T6HALA- 000H3 and MZXL515THALA-00H3 Driv	CP065984.zip	MZXL5800HBHQ- 000H3	MPK78H5Q (B)	MPK78H5Q
909	Online NVMe SSD Flash Component for VMware ESXi - MZXL5800HBHQ- 000H3, MZXL51T6HBJR- 000H3, MZXL53T2HBLS-	CP065984.zip	MZXL51T9HBJR- 000H3	MPK78H5Q (B)	MPK78H5Q

	000H3, MZXL56T4HALA-000H3, MZXL512THALA-000H3, MZXL5960HBHQ-000H3, MZXL51T9HBJR-000H3, MZXL53T8HBLS-000H3, MZXL57T6HALA-000H3 and MZXL515THALA-00H3 Driv				
910	Online NVMe SSD Flash Component for VMware ESXi - MZXL5800HBHQ-000H3, MZXL51T6HBJR-000H3, MZXL53T2HBLS-000H3, MZXL56T4HALA-000H3, MZXL512THALA-000H3, MZXL5960HBHQ-000H3, MZXL51T9HBJR-000H3, MZXL53T8HBLS-000H3, MZXL57T6HALA-000H3 and MZXL515THALA-00H3 Driv	CP065984.zip	MZXL5960HBHQ-000H3	MPK78H5Q (B)	MPK78H5Q
911	Online NVMe SSD Flash Component for VMware ESXi - MZXL800HBHQ-000H3, MZXL1T6HBJR-000H3, MZXL3T2HBLS-000H3, MZXL6T4HALA-000H3, MZXL12THALA-000H3, MZXL960HBHQ-000H3, MZXL1T9HBJR-000H3, MZXL3T8HBLS-	CP065945.zip	MZXL12THALA-000H3	MPK7825Q (B)	MPK7825Q

	000H3, MZCLR7T6HALA- 000H3 and MZCLR15THALA-000H Driv				
912	Online NVMe SSD Flash Component for VMware ESXi - MZCLR800HBHQ- 000H3, MZCLR1T6HBJR- 000H3, MZCLR3T2HBLS- 000H3, MZCLR6T4HALA- 000H3, MZCLR12THALA- 000H3, MZCLR960HBHQ- 000H3, MZCLR1T9HBJR- 000H3, MZCLR3T8HBLS- 000H3, MZCLR7T6HALA- 000H3 and MZCLR15THALA-000H Driv	CP065945.zip	MZCLR15THALA- 000H3	MPK7825Q (B)	MPK7825Q
913	Online NVMe SSD Flash Component for VMware ESXi - MZCLR800HBHQ- 000H3, MZCLR1T6HBJR- 000H3, MZCLR3T2HBLS- 000H3, MZCLR6T4HALA- 000H3, MZCLR12THALA- 000H3, MZCLR960HBHQ- 000H3, MZCLR1T9HBJR- 000H3, MZCLR3T8HBLS- 000H3, MZCLR7T6HALA- 000H3 and MZCLR15THALA-000H Driv	CP065945.zip	MZCLR7T6HALA- 000H3	MPK7825Q (B)	MPK7825Q
914	Online NVMe SSD Flash Component for VMware ESXi - MZCLR800HBHQ- 000H3,	CP065945.zip	MZCLR1T6HBJR- 000H3	MPK7825Q (B)	MPK7825Q

	MZXLR1T6HBJR-000H3, MZXLR3T2HBLS-000H3, MZXLR6T4HALA-000H3, MZXLR12THALA-000H3, MZXLR960HBHQ-000H3, MZXLR1T9HBJR-000H3, MZXLR3T8HBLS-000H3, MZXLR7T6HALA-000H3 and MZXLR15THALA-000H Driv				
915	Online NVMe SSD Flash Component for VMware ESXi - MZXLR800HBHQ-000H3, MZXLR1T6HBJR-000H3, MZXLR3T2HBLS-000H3, MZXLR6T4HALA-000H3, MZXLR12THALA-000H3, MZXLR960HBHQ-000H3, MZXLR1T9HBJR-000H3, MZXLR3T8HBLS-000H3, MZXLR7T6HALA-000H3 and MZXLR15THALA-000H Driv	CP065945.zip	MZXLR800HBHQ-000H3	MPK7825Q (B)	MPK7825Q
916	Online NVMe SSD Flash Component for VMware ESXi - MZXLR800HBHQ-000H3, MZXLR1T6HBJR-000H3, MZXLR3T2HBLS-000H3, MZXLR6T4HALA-000H3, MZXLR12THALA-000H3, MZXLR960HBHQ-000H3,	CP065945.zip	MZXLR3T2HBLS-000H3	MPK7825Q (B)	MPK7825Q

	MZXLR1T9HBJR-000H3, MZXLR3T8HBLS-000H3, MZXLR7T6HALA-000H3 and MZXLR15THALA-000H Driv				
917	Online NVMe SSD Flash Component for VMware ESXi - MZXLR800HBHQ-000H3, MZXLR1T6HBJR-000H3, MZXLR3T2HBLS-000H3, MZXLR6T4HALA-000H3, MZXLR12THALA-000H3, MZXLR960HBHQ-000H3, MZXLR1T9HBJR-000H3, MZXLR3T8HBLS-000H3, MZXLR7T6HALA-000H3 and MZXLR15THALA-000H Driv	CP065945.zip	MZXLR6T4HALA-000H3	MPK7825Q (B)	MPK7825Q
918	Online NVMe SSD Flash Component for VMware ESXi - MZXLR800HBHQ-000H3, MZXLR1T6HBJR-000H3, MZXLR3T2HBLS-000H3, MZXLR6T4HALA-000H3, MZXLR12THALA-000H3, MZXLR960HBHQ-000H3, MZXLR1T9HBJR-000H3, MZXLR3T8HBLS-000H3, MZXLR7T6HALA-000H3 and MZXLR15THALA-000H Driv	CP065945.zip	MZXLR1T9HBJR-000H3	MPK7825Q (B)	MPK7825Q
919	Online NVMe SSD Flash Component for	CP065945.zip	MZXLR3T8HBLS-000H3	MPK7825Q (B)	MPK7825Q

	VMware ESXi - MZCLR800HBHQ-000H3, MZCLR1T6HBJR-000H3, MZCLR3T2HBL5-000H3, MZCLR6T4HALA-000H3, MZCLR12THALA-000H3, MZCLR960HBHQ-000H3, MZCLR1T9HBJR-000H3, MZCLR3T8HBL5-000H3, MZCLR7T6HALA-000H3 and MZCLR15THALA-000H Driv				
920	Online NVMe SSD Flash Component for VMware ESXi - MZCLR800HBHQ-000H3, MZCLR1T6HBJR-000H3, MZCLR3T2HBL5-000H3, MZCLR6T4HALA-000H3, MZCLR12THALA-000H3, MZCLR960HBHQ-000H3, MZCLR1T9HBJR-000H3, MZCLR3T8HBL5-000H3, MZCLR7T6HALA-000H3 and MZCLR15THALA-000H Driv	CP065945.zip	MZCLR960HBHQ-000H3	MPK7825Q (B)	MPK7825Q
921	Online NVMe SSD Flash Component for VMware ESXi - VO000960KWUEA, VO001920KWUEB, VO003840KWUEC, VO007680KWUED, VO015360KWUEE, MO000800KWUDR, MO001600KWUDT, MO003200KWUDU and	CP065994.zip	VO000960KWUEA	HPK3 (B)	HPK3

	MO006400KWUDV Drives				
922	Online NVMe SSD Flash Component for VMware ESXi - VO000960KWUEA, VO001920KWUEB, VO003840KWUEC, VO007680KWUED, VO015360KWUEE, MO000800KWUDR, MO001600KWUDT, MO003200KWUDU and MO006400KWUDV Drives	CP065994.zip	VO001920KWUEB	HPK3 (B)	HPK3
923	Online NVMe SSD Flash Component for VMware ESXi - VO000960KWUEA, VO001920KWUEB, VO003840KWUEC, VO007680KWUED, VO015360KWUEE, MO000800KWUDR, MO001600KWUDT, MO003200KWUDU and MO006400KWUDV Drives	CP065994.zip	VO003840KWUEC	HPK3 (B)	HPK3
924	Online NVMe SSD Flash Component for VMware ESXi - VO000960KWUEA, VO001920KWUEB, VO003840KWUEC, VO007680KWUED, VO015360KWUEE, MO000800KWUDR, MO001600KWUDT, MO003200KWUDU and MO006400KWUDV Drives	CP065994.zip	VO007680KWUED	HPK3 (B)	HPK3
925	Online NVMe SSD Flash Component for VMware ESXi - VO000960KWUEA, VO001920KWUEB, VO003840KWUEC, VO007680KWUED, VO015360KWUEE, MO000800KWUDR, MO001600KWUDT, MO003200KWUDU and	CP065994.zip	VO015360KWUEE	HPK3 (B)	HPK3

	MO006400KWUDV Drives				
926	Online NVMe SSD Flash Component for VMware ESXi - VO000960KWUEA, VO001920KWUEB, VO003840KWUEC, VO007680KWUED, VO015360KWUEE, MO000800KWUDR, MO001600KWUDT, MO003200KWUDU and MO006400KWUDV Drives	CP065994.zip	MO000800KWUD R	HPK3 (B)	HPK3
927	Online NVMe SSD Flash Component for VMware ESXi - VO000960KWUEA, VO001920KWUEB, VO003840KWUEC, VO007680KWUED, VO015360KWUEE, MO000800KWUDR, MO001600KWUDT, MO003200KWUDU and MO006400KWUDV Drives	CP065994.zip	MO001600KWUD T	HPK3 (B)	HPK3
928	Online NVMe SSD Flash Component for VMware ESXi - VO000960KWUEA, VO001920KWUEB, VO003840KWUEC, VO007680KWUED, VO015360KWUEE, MO000800KWUDR, MO001600KWUDT, MO003200KWUDU and MO006400KWUDV Drives	CP065994.zip	MO003200KWUD U	HPK3 (B)	HPK3
929	Online NVMe SSD Flash Component for VMware ESXi - VO000960KWUEA, VO001920KWUEB, VO003840KWUEC, VO007680KWUED, VO015360KWUEE, MO000800KWUDR, MO001600KWUDT, MO003200KWUDU and	CP065994.zip	MO006400KWUD V	HPK3 (B)	HPK3

	MO006400KWUDV Drives				
930	Online NVMe SSD Flash Component for VMware ESXi - VO000960KWVBR, VO001920KWVBT and VO003840KWVBU Drives	CP065969.zip	VO000960KWVBR	HPK3 (B)	HPK3
931	Online NVMe SSD Flash Component for VMware ESXi - VO000960KWVBR, VO001920KWVBT and VO003840KWVBU Drives	CP065969.zip	VO001920KWVBT	HPK3 (B)	HPK3
932	Online NVMe SSD Flash Component for VMware ESXi - VO000960KWVBR, VO001920KWVBT and VO003840KWVBU Drives	CP065969.zip	VO003840KWVBU	HPK3 (B)	HPK3
933	Online NVMe SSD Flash Component for VMware ESXi - VO000960KXAVL, VO001920KXAVP, VO003840KXAVQ, VO007680KXAVR, MO000800KXAVN, MO001600KXAVT, MO003200KXAVU and MO006400KXAVV Drives	CP065979.zip	VO000960KXAVL	HPK5 (E)	HPK5
934	Online NVMe SSD Flash Component for VMware ESXi - VO000960KXAVL, VO001920KXAVP, VO003840KXAVQ, VO007680KXAVR, MO000800KXAVN, MO001600KXAVT, MO003200KXAVU and MO006400KXAVV Drives	CP065979.zip	MO000800KXAVN	HPK5 (E)	HPK5
935	Online NVMe SSD Flash Component for VMware ESXi - VO000960KXAVL, VO001920KXAVP, VO003840KXAVQ, VO007680KXAVR, MO000800KXAVN,	CP065979.zip	MO001600KXAVT	HPK5 (E)	HPK5

	MO001600KXAVT, MO003200KXAVU and MO006400KXAVV Drives				
936	Online NVMe SSD Flash Component for VMware ESXi - VO000960KXAVL, VO001920KXAVP, VO003840KXAVQ, VO007680KXAVR, MO000800KXAVN, MO001600KXAVT, MO003200KXAVU and MO006400KXAVV Drives	CP065979.zip	MO003200KXAVU	HPK5 (E)	HPK5
937	Online NVMe SSD Flash Component for VMware ESXi - VO000960KXAVL, VO001920KXAVP, VO003840KXAVQ, VO007680KXAVR, MO000800KXAVN, MO001600KXAVT, MO003200KXAVU and MO006400KXAVV Drives	CP065979.zip	MO006400KXAVV	HPK5 (E)	HPK5
938	Online NVMe SSD Flash Component for VMware ESXi - VO000960KXAVL, VO001920KXAVP, VO003840KXAVQ, VO007680KXAVR, MO000800KXAVN, MO001600KXAVT, MO003200KXAVU and MO006400KXAVV Drives	CP065979.zip	VO003840KXAVQ	HPK5 (E)	HPK5
939	Online NVMe SSD Flash Component for VMware ESXi - VO000960KXAVL, VO001920KXAVP, VO003840KXAVQ, VO007680KXAVR, MO000800KXAVN, MO001600KXAVT, MO003200KXAVU and MO006400KXAVV Drives	CP065979.zip	VO007680KXAVR	HPK5 (E)	HPK5
940	Online NVMe SSD Flash Component for VMware ESXi - VO000960KXAVL,	CP065979.zip	VO001920KXAVP	HPK5 (E)	HPK5

	VO001920KXAVP, VO003840KXAVQ, VO007680KXAVR, MO000800KXAVN, MO001600KXAVT, MO003200KXAVU and MO006400KXAVV Drives				
941	Online NVMe SSD Flash Component for VMware ESXi - VO001920KYDMT, VO003840KYDMV, MO001600KYDMU, MO003200KYDNC, MO006400KYDND, VO007680KYDNA and VO015360KYDNB Drives	CP065946.zip	VO001920KYDMT	HPK6 (B)	HPK6
942	Online NVMe SSD Flash Component for VMware ESXi - VO001920KYDMT, VO003840KYDMV, MO001600KYDMU, MO003200KYDNC, MO006400KYDND, VO007680KYDNA and VO015360KYDNB Drives	CP065946.zip	VO003840KYDMV	HPK6 (B)	HPK6
943	Online NVMe SSD Flash Component for VMware ESXi - VO001920KYDMT, VO003840KYDMV, MO001600KYDMU, MO003200KYDNC, MO006400KYDND, VO007680KYDNA and VO015360KYDNB Drives	CP065946.zip	MO001600KYDM U	HPK6 (B)	HPK6
944	Online NVMe SSD Flash Component for VMware ESXi - VO001920KYDMT, VO003840KYDMV, MO001600KYDMU, MO003200KYDNC, MO006400KYDND, VO007680KYDNA and VO015360KYDNB Drives	CP065946.zip	MO006400KYDND	HPK6 (B)	HPK6
945	Online NVMe SSD Flash Component for VMware ESXi - VO001920KYDMT,	CP065946.zip	VO015360KYDNB	HPK6 (B)	HPK6

	VO003840KYDMV, MO001600KYDMU, MO003200KYDNC, MO006400KYDND, VO007680KYDNA and VO015360KYDNB Drives				
946	Online NVMe SSD Flash Component for VMware ESXi - VO001920KYDMT, VO003840KYDMV, MO001600KYDMU, MO003200KYDNC, MO006400KYDND, VO007680KYDNA and VO015360KYDNB Drives	CP065946.zip	VO007680KYDNA	HPK6 (B)	HPK6
947	Online NVMe SSD Flash Component for VMware ESXi - VO001920KYDMT, VO003840KYDMV, MO001600KYDMU, MO003200KYDNC, MO006400KYDND, VO007680KYDNA and VO015360KYDNB Drives	CP065946.zip	MO003200KYDNC	HPK6 (B)	HPK6
948	Online NVMe SSD Flash Component for VMware ESXi - VO002000KWVVC, VO004000KWVUR, MO001600KWVUU, MO003200KWVUV and MO006400KWVVA Drives	CP065925.zip	MO006400KWVV A	4ICRHPK3 (H)	4ICRHPK3
949	Online NVMe SSD Flash Component for VMware ESXi - VO002000KWVVC, VO004000KWVUR, MO001600KWVUU, MO003200KWVUV and MO006400KWVVA Drives	CP065925.zip	VO004000KWVUR	4ICRHPK3 (H)	4ICRHPK3
950	Online NVMe SSD Flash Component for VMware ESXi - VO002000KWVVC, VO004000KWVUR, MO001600KWVUU, MO003200KWVUV	CP065925.zip	MO003200KWVU V	4ICRHPK3 (H)	4ICRHPK3

	and MO006400KVVVA Drives				
951	Online NVMe SSD Flash Component for VMware ESXi - VO002000KVVVC, VO004000KVVUR, MO001600KVVUU, MO003200KVVUV and MO006400KVVVA Drives	CP065925.zip	VO002000KVVVC	4ICRHPK3 (H)	4ICRHPK3
952	Online NVMe SSD Flash Component for VMware ESXi - VO002000KVVVC, VO004000KVVUR, MO001600KVVUU, MO003200KVVUV and MO006400KVVVA Drives	CP065925.zip	MO001600KVVU U	4ICRHPK3 (H)	4ICRHPK3
953	Online NVMe SSD Flash Component for VMware ESXi - VS000480KXALB, VS000960KWXFN, VS001920KWXFP and VS003840KWXFQ Drives	CP065981.zip	VS003840KWXFQ	85032G00 (E)	85032G00
954	Online NVMe SSD Flash Component for VMware ESXi - VS000480KXALB, VS000960KWXFN, VS001920KWXFP and VS003840KWXFQ Drives	CP065981.zip	VS001920KWXFP	85032G00 (E)	85032G00
955	Online NVMe SSD Flash Component for VMware ESXi - VS000480KXALB, VS000960KWXFN, VS001920KWXFP and VS003840KWXFQ Drives	CP065981.zip	VS000960KWXFN	85032G00 (E)	85032G00
956	Online NVMe SSD Flash Component for VMware ESXi - VS000480KXALB, VS000960KWXFN, VS001920KWXFP and VS003840KWXFQ Drives	CP065981.zip	VS000480KXALB	85032G00 (E)	85032G00

957	Online NVMe SSD Flash Component for Windows (x64) - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives	cp064858.exe	KCD6XLUL7T68	GPK7 (C)	GPK7
958	Online NVMe SSD Flash Component for Windows (x64) - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives	cp064858.exe	KCD6XVUL6T40	GPK7 (C)	GPK7
959	Online NVMe SSD Flash Component for Windows (x64) - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives	cp064858.exe	KCD6XVUL1T60	GPK7 (C)	GPK7
960	Online NVMe SSD Flash Component for Windows (x64) - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives	cp064858.exe	KCD6XVUL800G	GPK7 (C)	GPK7
961	Online NVMe SSD Flash Component for Windows (x64) - KCD6XVUL800G,	cp064858.exe	KCD6XVUL3T20	GPK7 (C)	GPK7

	KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives				
962	Online NVMe SSD Flash Component for Windows (x64) - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives	cp064858.exe	KCD6XVUL12T8	GPK7 (C)	GPK7
963	Online NVMe SSD Flash Component for Windows (x64) - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives	cp064858.exe	KCD6XLUL960G	GPK7 (C)	GPK7
964	Online NVMe SSD Flash Component for Windows (x64) - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives	cp064858.exe	KCD6XLUL1T92	GPK7 (C)	GPK7
965	Online NVMe SSD Flash Component for Windows (x64) - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8,	cp064858.exe	KCD6XLUL3T84	GPK7 (C)	GPK7

	KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives				
966	Online NVMe SSD Flash Component for Windows (x64) - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives	cp064858.exe	KCD6XLUL15T3	GPK7 (C)	GPK7
967	Online NVMe SSD Flash Component for Windows (x64) - KCM6FRUL1T92, KCM6FRUL3T84, KCM6FVUL1T60 and KCM6FVUL3T20 Drives	cp064861.exe	KCM6FRUL1T92	GPK5 (C)	GPK5
968	Online NVMe SSD Flash Component for Windows (x64) - KCM6FRUL1T92, KCM6FRUL3T84, KCM6FVUL1T60 and KCM6FVUL3T20 Drives	cp064861.exe	KCM6FRUL3T84	GPK5 (C)	GPK5
969	Online NVMe SSD Flash Component for Windows (x64) - KCM6FRUL1T92, KCM6FRUL3T84, KCM6FVUL1T60 and KCM6FVUL3T20 Drives	cp064861.exe	KCM6FVUL3T20	GPK5 (C)	GPK5
970	Online NVMe SSD Flash Component for Windows (x64) - KCM6FRUL1T92, KCM6FRUL3T84, KCM6FVUL1T60 and KCM6FVUL3T20 Drives	cp064861.exe	KCM6FVUL1T60	GPK5 (C)	GPK5
971	Online NVMe SSD Flash Component for Windows (x64) - KCM6XVUL800G, KCM6XVUL1T60,	cp064859.exe	KCM6XRUL960G	GPK7 (C)	GPK7

	KCM6XVUL3T20, KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92, KCM6XRUL3T84 and KCM6XRUL7T68 Drives				
972	Online NVMe SSD Flash Component for Windows (x64) - KCM6XVUL800G, KCM6XVUL1T60, KCM6XVUL3T20, KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92, KCM6XRUL3T84 and KCM6XRUL7T68 Drives	cp064859.exe	KCM6XRUL7T68	GPK7 (C)	GPK7
973	Online NVMe SSD Flash Component for Windows (x64) - KCM6XVUL800G, KCM6XVUL1T60, KCM6XVUL3T20, KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92, KCM6XRUL3T84 and KCM6XRUL7T68 Drives	cp064859.exe	KCM6XRUL1T92	GPK7 (C)	GPK7
974	Online NVMe SSD Flash Component for Windows (x64) - KCM6XVUL800G, KCM6XVUL1T60, KCM6XVUL3T20, KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92, KCM6XRUL3T84 and KCM6XRUL7T68 Drives	cp064859.exe	KCM6XVUL3T20	GPK7 (C)	GPK7
975	Online NVMe SSD Flash Component for Windows (x64) - KCM6XVUL800G, KCM6XVUL1T60, KCM6XVUL3T20, KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92, KCM6XRUL3T84 and KCM6XRUL7T68 Drives	cp064859.exe	KCM6XRUL3T84	GPK7 (C)	GPK7
976	Online NVMe SSD	cp064859.exe	KCM6XVUL800G	GPK7 (C)	GPK7

	Flash Component for Windows (x64) - KCM6XVUL800G, KCM6XVUL1T60, KCM6XVUL3T20, KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92, KCM6XRUL3T84 and KCM6XRUL7T68 Drives				
977	Online NVMe SSD Flash Component for Windows (x64) - KCM6XVUL800G, KCM6XVUL1T60, KCM6XVUL3T20, KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92, KCM6XRUL3T84 and KCM6XRUL7T68 Drives	cp064859.exe	KCM6XVUL6T40	GPK7 (C)	GPK7
978	Online NVMe SSD Flash Component for Windows (x64) - KCM6XVUL800G, KCM6XVUL1T60, KCM6XVUL3T20, KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92, KCM6XRUL3T84 and KCM6XRUL7T68 Drives	cp064859.exe	KCM6XVUL1T60	GPK7 (C)	GPK7
979	Online NVMe SSD Flash Component for Windows (x64) - MK000800KWWFE, MK001600KWWFF, MK003200KWWFH, MK006400KWWFK, VK000960KWWFL, VK001920KWWFN, VK003840KWWFP and VK007680KWWFQ Drives	cp064802.exe	VK007680KWWFQ	HPK3 (H)	HPK3
980	Online NVMe SSD Flash Component for Windows (x64) - MK000800KWWFE, MK001600KWWFF, MK003200KWWFH, MK006400KWWFK, VK000960KWWFL, VK001920KWWFN,	cp064802.exe	MK006400KWWFK	HPK3 (H)	HPK3

	VK003840KWWFP and VK007680KWWFQ Drives				
981	Online NVMe SSD Flash Component for Windows (x64) - MK000800KWWFE, MK001600KWWFF, MK003200KWWFH, MK006400KWWFK, VK000960KWWFL, VK001920KWWFN, VK003840KWWFP and VK007680KWWFQ Drives	cp064802.exe	VK003840KWWFP	HPK3 (H)	HPK3
982	Online NVMe SSD Flash Component for Windows (x64) - MK000800KWWFE, MK001600KWWFF, MK003200KWWFH, MK006400KWWFK, VK000960KWWFL, VK001920KWWFN, VK003840KWWFP and VK007680KWWFQ Drives	cp064802.exe	MK003200KWWF H	HPK3 (H)	HPK3
983	Online NVMe SSD Flash Component for Windows (x64) - MK000800KWWFE, MK001600KWWFF, MK003200KWWFH, MK006400KWWFK, VK000960KWWFL, VK001920KWWFN, VK003840KWWFP and VK007680KWWFQ Drives	cp064802.exe	VK001920KWWF N	HPK3 (H)	HPK3
984	Online NVMe SSD Flash Component for Windows (x64) - MK000800KWWFE, MK001600KWWFF, MK003200KWWFH, MK006400KWWFK, VK000960KWWFL, VK001920KWWFN, VK003840KWWFP and VK007680KWWFQ Drives	cp064802.exe	MK001600KWWF F	HPK3 (H)	HPK3
985	Online NVMe SSD Flash Component for Windows (x64) - MK000800KWWFE, MK001600KWWFF,	cp064802.exe	VK000960KWWFL	HPK3 (H)	HPK3

	MK003200KWWFH, MK006400KWWFK, VK000960KWWFL, VK001920KWWFN, VK003840KWWFP and VK007680KWWFQ Drives				
986	Online NVMe SSD Flash Component for Windows (x64) - MK000800KWWFE, MK001600KWWFF, MK003200KWWFH, MK006400KWWFK, VK000960KWWFL, VK001920KWWFN, VK003840KWWFP and VK007680KWWFQ Drives	cp064802.exe	MK00800KWWFE	HPK3 (H)	HPK3
987	Online NVMe SSD Flash Component for Windows (x64) - MZXL5800HBHQ-000H3, MZXL51T6HBJR-000H3, MZXL53T2HBLS-000H3, MZXL56T4HALA-000H3, MZXL512THALA-000H3, MZXL5960HBHQ-000H3, MZXL51T9HBJR-000H3, MZXL53T8HBLS-000H3, MZXL57T6HALA-000H3 and MZXL515THALA-0 Drive	cp064856.exe	MZXL5960HBHQ-000H3	MPK78H5Q (B)	MPK78H5Q
988	Online NVMe SSD Flash Component for Windows (x64) - MZXL5800HBHQ-000H3, MZXL51T6HBJR-000H3, MZXL53T2HBLS-000H3, MZXL56T4HALA-000H3, MZXL512THALA-000H3, MZXL5960HBHQ-	cp064856.exe	MZXL515THALA-000H3	MPK78H5Q (B)	MPK78H5Q

	000H3, MZXL51T9HBJR-000H3, MZXL53T8HBLS-000H3, MZXL57T6HALA-000H3 and MZXL515THALA-0 Drive				
989	Online NVMe SSD Flash Component for Windows (x64) - MZXL5800HBHQ-000H3, MZXL51T6HBJR-000H3, MZXL53T2HBLS-000H3, MZXL56T4HALA-000H3, MZXL512THALA-000H3, MZXL5960HBHQ-000H3, MZXL51T9HBJR-000H3, MZXL53T8HBLS-000H3, MZXL57T6HALA-000H3 and MZXL515THALA-0 Drive	cp064856.exe	MZXL512THALA-000H3	MPK78H5Q (B)	MPK78H5Q
990	Online NVMe SSD Flash Component for Windows (x64) - MZXL5800HBHQ-000H3, MZXL51T6HBJR-000H3, MZXL53T2HBLS-000H3, MZXL56T4HALA-000H3, MZXL512THALA-000H3, MZXL5960HBHQ-000H3, MZXL51T9HBJR-000H3, MZXL53T8HBLS-000H3, MZXL57T6HALA-000H3 and MZXL515THALA-0 Drive	cp064856.exe	MZXL57T6HALA-000H3	MPK78H5Q (B)	MPK78H5Q
991	Online NVMe SSD	cp064856.exe	MZXL56T4HALA-	MPK78H5Q	MPK78H5Q

	Flash Component for Windows (x64) - MZXL5800HBHQ-000H3, MZXL51T6HBJR-000H3, MZXL53T2HBLS-000H3, MZXL56T4HALA-000H3, MZXL512THALA-000H3, MZXL5960HBHQ-000H3, MZXL51T9HBJR-000H3, MZXL53T8HBLS-000H3, MZXL57T6HALA-000H3 and MZXL515THALA-0 Drive		000H3	(B)	
992	Online NVMe SSD Flash Component for Windows (x64) - MZXL5800HBHQ-000H3, MZXL51T6HBJR-000H3, MZXL53T2HBLS-000H3, MZXL56T4HALA-000H3, MZXL512THALA-000H3, MZXL5960HBHQ-000H3, MZXL51T9HBJR-000H3, MZXL53T8HBLS-000H3, MZXL57T6HALA-000H3 and MZXL515THALA-0 Drive	cp064856.exe	MZXL53T8HBLS-000H3	MPK78H5Q (B)	MPK78H5Q
993	Online NVMe SSD Flash Component for Windows (x64) - MZXL5800HBHQ-000H3, MZXL51T6HBJR-000H3, MZXL53T2HBLS-000H3, MZXL56T4HALA-000H3,	cp064856.exe	MZXL53T2HBLS-000H3	MPK78H5Q (B)	MPK78H5Q

	MZXL512THALA-000H3, MZXL5960HBHQ-000H3, MZXL51T9HBJR-000H3, MZXL53T8HBLS-000H3, MZXL57T6HALA-000H3 and MZXL515THALA-0 Drive				
994	Online NVMe SSD Flash Component for Windows (x64) - MZXL5800HBHQ-000H3, MZXL51T6HBJR-000H3, MZXL53T2HBLS-000H3, MZXL56T4HALA-000H3, MZXL512THALA-000H3, MZXL5960HBHQ-000H3, MZXL51T9HBJR-000H3, MZXL53T8HBLS-000H3, MZXL57T6HALA-000H3 and MZXL515THALA-0 Drive	cp064856.exe	MZXL51T6HBJR-000H3	MPK78H5Q (B)	MPK78H5Q
995	Online NVMe SSD Flash Component for Windows (x64) - MZXL5800HBHQ-000H3, MZXL51T6HBJR-000H3, MZXL53T2HBLS-000H3, MZXL56T4HALA-000H3, MZXL512THALA-000H3, MZXL5960HBHQ-000H3, MZXL51T9HBJR-000H3, MZXL53T8HBLS-000H3, MZXL57T6HALA-000H3 and	cp064856.exe	MZXL5800HBHQ-000H3	MPK78H5Q (B)	MPK78H5Q

	MZXL515THALA-0 Drive				
996	Online NVMe SSD Flash Component for Windows (x64) - MZXL5800HBHQ-000H3, MZXL51T6HBJR-000H3, MZXL53T2HBLS-000H3, MZXL56T4HALA-000H3, MZXL512THALA-000H3, MZXL5960HBHQ-000H3, MZXL51T9HBJR-000H3, MZXL53T8HBLS-000H3, MZXL57T6HALA-000H3 and MZXL515THALA-0 Drive	cp064856.exe	MZXL51T9HBJR-000H3	MPK78H5Q (B)	MPK78H5Q
997	Online NVMe SSD Flash Component for Windows (x64) - MZXLR800HBHQ-000H3, MZXLR1T6HBJR-000H3, MZXLR3T2HBLS-000H3, MZXLR6T4HALA-000H3, MZXLR12THALA-000H3, MZXLR960HBHQ-000H3, MZXLR1T9HBJR-000H3, MZXLR3T8HBLS-000H3, MZXLR7T6HALA-000H3 and MZXLR15THALA-0 Drive	cp064860.exe	MZXLR12THALA-000H3	MPK7825Q (B)	MPK7825Q
998	Online NVMe SSD Flash Component for Windows (x64) - MZXLR800HBHQ-000H3, MZXLR1T6HBJR-000H3, MZXL3T2HBLS-	cp064860.exe	MZXLR15THALA-000H3	MPK7825Q (B)	MPK7825Q

	000H3, MZCLR6T4HALA-000H3, MZCLR12THALA-000H3, MZCLR960HBHQ-000H3, MZCLR1T9HBJR-000H3, MZCLR3T8HBLS-000H3, MZCLR7T6HALA-000H3 and MZCLR15THALA-0 Drive				
999	Online NVMe SSD Flash Component for Windows (x64) - MZCLR800HBHQ-000H3, MZCLR1T6HBJR-000H3, MZCLR3T2HBLS-000H3, MZCLR6T4HALA-000H3, MZCLR12THALA-000H3, MZCLR960HBHQ-000H3, MZCLR1T9HBJR-000H3, MZCLR3T8HBLS-000H3, MZCLR7T6HALA-000H3 and MZCLR15THALA-0 Drive	cp064860.exe	MZCLR7T6HALA-000H3	MPK7825Q (B)	MPK7825Q
1000	Online NVMe SSD Flash Component for Windows (x64) - MZCLR800HBHQ-000H3, MZCLR1T6HBJR-000H3, MZCLR3T2HBLS-000H3, MZCLR6T4HALA-000H3, MZCLR12THALA-000H3, MZCLR960HBHQ-000H3, MZCLR1T9HBJR-000H3, MZCLR3T8HBLS-	cp064860.exe	MZCLR1T6HBJR-000H3	MPK7825Q (B)	MPK7825Q

	000H3, MZCLR7T6HALA- 000H3 and MZCLR15THALA-0 Drive				
1001	Online NVMe SSD Flash Component for Windows (x64) - MZCLR800HBHQ- 000H3, MZCLR1T6HBJR- 000H3, MZCLR3T2HBLS- 000H3, MZCLR6T4HALA- 000H3, MZCLR12THALA- 000H3, MZCLR960HBHQ- 000H3, MZCLR1T9HBJR- 000H3, MZCLR3T8HBLS- 000H3, MZCLR7T6HALA- 000H3 and MZCLR15THALA-0 Drive	cp064860.exe	MZCLR800HBHQ- 000H3	MPK7825Q (B)	MPK7825Q
1002	Online NVMe SSD Flash Component for Windows (x64) - MZCLR800HBHQ- 000H3, MZCLR1T6HBJR- 000H3, MZCLR3T2HBLS- 000H3, MZCLR6T4HALA- 000H3, MZCLR12THALA- 000H3, MZCLR960HBHQ- 000H3, MZCLR1T9HBJR- 000H3, MZCLR3T8HBLS- 000H3, MZCLR7T6HALA- 000H3 and MZCLR15THALA-0 Drive	cp064860.exe	MZCLR3T2HBLS- 000H3	MPK7825Q (B)	MPK7825Q
1003	Online NVMe SSD Flash Component for Windows (x64) - MZCLR800HBHQ- 000H3,	cp064860.exe	MZCLR6T4HALA- 000H3	MPK7825Q (B)	MPK7825Q

	MZXLR1T6HBJR-000H3, MZXLR3T2HBLS-000H3, MZXLR6T4HALA-000H3, MZXLR12THALA-000H3, MZXLR960HBHQ-000H3, MZXLR1T9HBJR-000H3, MZXLR3T8HBLS-000H3, MZXLR7T6HALA-000H3 and MZXLR15THALA-0 Drive				
1004	Online NVMe SSD Flash Component for Windows (x64) - MZXLR800HBHQ-000H3, MZXLR1T6HBJR-000H3, MZXLR3T2HBLS-000H3, MZXLR6T4HALA-000H3, MZXLR12THALA-000H3, MZXLR960HBHQ-000H3, MZXLR1T9HBJR-000H3, MZXLR3T8HBLS-000H3, MZXLR7T6HALA-000H3 and MZXLR15THALA-0 Drive	cp064860.exe	MZXLR1T9HBJR-000H3	MPK7825Q (B)	MPK7825Q
1005	Online NVMe SSD Flash Component for Windows (x64) - MZXLR800HBHQ-000H3, MZXLR1T6HBJR-000H3, MZXLR3T2HBLS-000H3, MZXLR6T4HALA-000H3, MZXLR12THALA-000H3, MZXLR960HBHQ-000H3,	cp064860.exe	MZXLR3T8HBLS-000H3	MPK7825Q (B)	MPK7825Q

	MZXLR1T9HBJR-000H3, MZXLR3T8HBLS-000H3, MZXLR7T6HALA-000H3 and MZXLR15THALA-0 Drive				
1006	Online NVMe SSD Flash Component for Windows (x64) - MZXLR800HBHQ-000H3, MZXLR1T6HBJR-000H3, MZXLR3T2HBLS-000H3, MZXLR6T4HALA-000H3, MZXLR12THALA-000H3, MZXLR960HBHQ-000H3, MZXLR1T9HBJR-000H3, MZXLR3T8HBLS-000H3, MZXLR7T6HALA-000H3 and MZXLR15THALA-0 Drive	cp064860.exe	MZXLR960HBHQ-000H3	MPK7825Q (B)	MPK7825Q
1007	Online NVMe SSD Flash Component for Windows (x64) - VO000960KWUEA, VO001920KWUEB, VO003840KWUEC, VO007680KWUED, VO015360KWUEE, MO000800KWUDR, MO001600KWUDT, MO003200KWUDU and MO006400KWUDV Drives	cp064863.exe	VO000960KWUEA	HPK3 (B)	HPK3
1008	Online NVMe SSD Flash Component for Windows (x64) - VO000960KWUEA, VO001920KWUEB, VO003840KWUEC, VO007680KWUED, VO015360KWUEE, MO000800KWUDR, MO001600KWUDT, MO003200KWUDU	cp064863.exe	VO001920KWUEB	HPK3 (B)	HPK3

	and MO006400KWUDV Drives				
1009	Online NVMe SSD Flash Component for Windows (x64) - VO000960KWUEA, VO001920KWUEB, VO003840KWUEC, VO007680KWUED, VO015360KWUEE, MO000800KWUDR, MO001600KWUDT, MO003200KWUDU and MO006400KWUDV Drives	cp064863.exe	VO003840KWUEC	HPK3 (B)	HPK3
1010	Online NVMe SSD Flash Component for Windows (x64) - VO000960KWUEA, VO001920KWUEB, VO003840KWUEC, VO007680KWUED, VO015360KWUEE, MO000800KWUDR, MO001600KWUDT, MO003200KWUDU and MO006400KWUDV Drives	cp064863.exe	VO007680KWUED	HPK3 (B)	HPK3
1011	Online NVMe SSD Flash Component for Windows (x64) - VO000960KWUEA, VO001920KWUEB, VO003840KWUEC, VO007680KWUED, VO015360KWUEE, MO000800KWUDR, MO001600KWUDT, MO003200KWUDU and MO006400KWUDV Drives	cp064863.exe	VO015360KWUEE	HPK3 (B)	HPK3
1012	Online NVMe SSD Flash Component for Windows (x64) - VO000960KWUEA, VO001920KWUEB, VO003840KWUEC, VO007680KWUED, VO015360KWUEE, MO000800KWUDR, MO001600KWUDT, MO003200KWUDU	cp064863.exe	MO000800KWUD R	HPK3 (B)	HPK3

	and MO006400KWUDV Drives				
1013	Online NVMe SSD Flash Component for Windows (x64) - VO000960KWUEA, VO001920KWUEB, VO003840KWUEC, VO007680KWUED, VO015360KWUEE, MO000800KWUDR, MO001600KWUDT, MO003200KWUDU and MO006400KWUDV Drives	cp064863.exe	MO001600KWUD T	HPK3 (B)	HPK3
1014	Online NVMe SSD Flash Component for Windows (x64) - VO000960KWUEA, VO001920KWUEB, VO003840KWUEC, VO007680KWUED, VO015360KWUEE, MO000800KWUDR, MO001600KWUDT, MO003200KWUDU and MO006400KWUDV Drives	cp064863.exe	MO003200KWUD U	HPK3 (B)	HPK3
1015	Online NVMe SSD Flash Component for Windows (x64) - VO000960KWUEA, VO001920KWUEB, VO003840KWUEC, VO007680KWUED, VO015360KWUEE, MO000800KWUDR, MO001600KWUDT, MO003200KWUDU and MO006400KWUDV Drives	cp064863.exe	MO006400KWUD V	HPK3 (B)	HPK3
1016	Online NVMe SSD Flash Component for Windows (x64) - VO000960KWVBR, VO001920KWVBT and VO003840KWVBU Drives	cp064862.exe	VO000960KWVBR	HPK3 (B)	HPK3
1017	Online NVMe SSD Flash Component for Windows (x64) - VO000960KWVBR,	cp064862.exe	VO001920KWVBT	HPK3 (B)	HPK3

	VO001920KWVBT and VO003840KWVBU Drives				
1018	Online NVMe SSD Flash Component for Windows (x64) - VO000960KWVBR, VO001920KWVBT and VO003840KWVBU Drives	cp064862.exe	VO003840KWVBU	HPK3 (B)	HPK3
1019	Online NVMe SSD Flash Component for Windows (x64) - VO000960KXAVL, VO001920KXAVP, VO003840KXAVQ, VO007680KXAVR, MO000800KXAVN, MO001600KXAVT, MO003200KXAVU and MO006400KXAVV Drives	cp064876.exe	VO000960KXAVL	HPK5 (F)	HPK5
1020	Online NVMe SSD Flash Component for Windows (x64) - VO000960KXAVL, VO001920KXAVP, VO003840KXAVQ, VO007680KXAVR, MO000800KXAVN, MO001600KXAVT, MO003200KXAVU and MO006400KXAVV Drives	cp064876.exe	MO000800KXAVN	HPK5 (F)	HPK5
1021	Online NVMe SSD Flash Component for Windows (x64) - VO000960KXAVL, VO001920KXAVP, VO003840KXAVQ, VO007680KXAVR, MO000800KXAVN, MO001600KXAVT, MO003200KXAVU and MO006400KXAVV Drives	cp064876.exe	MO001600KXAVT	HPK5 (F)	HPK5
1022	Online NVMe SSD Flash Component for Windows (x64) - VO000960KXAVL, VO001920KXAVP, VO003840KXAVQ, VO007680KXAVR, MO000800KXAVN, MO001600KXAVT, MO003200KXAVU and	cp064876.exe	MO003200KXAVU	HPK5 (F)	HPK5

	MO006400KXAVV Drives				
1023	Online NVMe SSD Flash Component for Windows (x64) - VO000960KXAVL, VO001920KXAVP, VO003840KXAVQ, VO007680KXAVR, MO000800KXAVN, MO001600KXAVT, MO003200KXAVU and MO006400KXAVV Drives	cp064876.exe	MO006400KXAVV	HPK5 (F)	HPK5
1024	Online NVMe SSD Flash Component for Windows (x64) - VO000960KXAVL, VO001920KXAVP, VO003840KXAVQ, VO007680KXAVR, MO000800KXAVN, MO001600KXAVT, MO003200KXAVU and MO006400KXAVV Drives	cp064876.exe	VO003840KXAVQ	HPK5 (F)	HPK5
1025	Online NVMe SSD Flash Component for Windows (x64) - VO000960KXAVL, VO001920KXAVP, VO003840KXAVQ, VO007680KXAVR, MO000800KXAVN, MO001600KXAVT, MO003200KXAVU and MO006400KXAVV Drives	cp064876.exe	VO007680KXAVR	HPK5 (F)	HPK5
1026	Online NVMe SSD Flash Component for Windows (x64) - VO000960KXAVL, VO001920KXAVP, VO003840KXAVQ, VO007680KXAVR, MO000800KXAVN, MO001600KXAVT, MO003200KXAVU and MO006400KXAVV Drives	cp064876.exe	VO001920KXAVP	HPK5 (F)	HPK5
1027	Online NVMe SSD Flash Component for Windows (x64) - VO001920KYDMT, VO003840KYDMV, MO001600KYDMU,	cp064857.exe	MO001600KYDM U	HPK6 (B)	HPK6

	MO003200KYDNC, MO006400KYDND, VO007680KYDNA and VO015360KYDNB Drives				
1028	Online NVMe SSD Flash Component for Windows (x64) - VO001920KYDMT, VO003840KYDMV, MO001600KYDMU, MO003200KYDNC, MO006400KYDND, VO007680KYDNA and VO015360KYDNB Drives	cp064857.exe	MO006400KYDND	HPK6 (B)	HPK6
1029	Online NVMe SSD Flash Component for Windows (x64) - VO001920KYDMT, VO003840KYDMV, MO001600KYDMU, MO003200KYDNC, MO006400KYDND, VO007680KYDNA and VO015360KYDNB Drives	cp064857.exe	VO015360KYDNB	HPK6 (B)	HPK6
1030	Online NVMe SSD Flash Component for Windows (x64) - VO001920KYDMT, VO003840KYDMV, MO001600KYDMU, MO003200KYDNC, MO006400KYDND, VO007680KYDNA and VO015360KYDNB Drives	cp064857.exe	VO007680KYDNA	HPK6 (B)	HPK6
1031	Online NVMe SSD Flash Component for Windows (x64) - VO001920KYDMT, VO003840KYDMV, MO001600KYDMU, MO003200KYDNC, MO006400KYDND, VO007680KYDNA and VO015360KYDNB Drives	cp064857.exe	MO003200KYDNC	HPK6 (B)	HPK6
1032	Online NVMe SSD Flash Component for Windows (x64) - VO001920KYDMT, VO003840KYDMV, MO001600KYDMU, MO003200KYDNC,	cp064857.exe	VO001920KYDMT	HPK6 (B)	HPK6

	MO006400KYDND, VO007680KYDNA and VO015360KYDNB Drives				
1033	Online NVMe SSD Flash Component for Windows (x64) - VO001920KYDMT, VO003840KYDMV, MO001600KYDMU, MO003200KYDNC, MO006400KYDND, VO007680KYDNA and VO015360KYDNB Drives	cp064857.exe	VO003840KYDMV	HPK6 (B)	HPK6
1034	Online NVMe SSD Flash Component for Windows (x64) - VO002000KWVVC, VO004000KWVUR, MO001600KWVUU, MO003200KWVUV and MO006400KWVVA Drives	cp064795.exe	MO006400KWVV A	4ICRHPK3 (H)	4ICRHPK3
1035	Online NVMe SSD Flash Component for Windows (x64) - VO002000KWVVC, VO004000KWVUR, MO001600KWVUU, MO003200KWVUV and MO006400KWVVA Drives	cp064795.exe	VO004000KWVUR	4ICRHPK3 (H)	4ICRHPK3
1036	Online NVMe SSD Flash Component for Windows (x64) - VO002000KWVVC, VO004000KWVUR, MO001600KWVUU, MO003200KWVUV and MO006400KWVVA Drives	cp064795.exe	MO003200KWVU V	4ICRHPK3 (H)	4ICRHPK3
1037	Online NVMe SSD Flash Component for Windows (x64) - VO002000KWVVC, VO004000KWVUR, MO001600KWVUU, MO003200KWVUV and MO006400KWVVA Drives	cp064795.exe	VO002000KWVVC	4ICRHPK3 (H)	4ICRHPK3

1038	Online NVMe SSD Flash Component for Windows (x64) - VO002000KVVVC, VO004000KVVUR, MO001600KVVUU, MO003200KVVUV and MO006400KVVVA Drives	cp064795.exe	MO001600KVVUU	4ICRHPK3 (H)	4ICRHPK3
1039	Online NVMe SSD Flash Component for Windows (x64) - VS000480KXALB, VS003840KWXFQ, VS001920KWXFP and VS000960KWXFN drives	cp064855.exe	VS000480KXALB	85032G00 (F)	85032G00
1040	Online NVMe SSD Flash Component for Windows (x64) - VS000480KXALB, VS003840KWXFQ, VS001920KWXFP and VS000960KWXFN drives	cp064855.exe	VS003840KWXFQ	85032G00 (F)	85032G00
1041	Online NVMe SSD Flash Component for Windows (x64) - VS000480KXALB, VS003840KWXFQ, VS001920KWXFP and VS000960KWXFN drives	cp064855.exe	VS001920KWXFP	85032G00 (F)	85032G00
1042	Online NVMe SSD Flash Component for Windows (x64) - VS000480KXALB, VS003840KWXFQ, VS001920KWXFP and VS000960KWXFN drives	cp064855.exe	VS000960KWXFN	85032G00 (F)	85032G00
1043	Universal Firmware Package for Drives - MO000800KXPRV, MO001600KXPTR, MO003200KXPTT, MO006400KXPTU, VO000960KXPRU, VO001920KXPTN, VO003840KXPTP and VO007680KXPTQ	SKHynix_PE81X0_KPE81X0AHP K2.fwpkg	MO000800KXPRV	HPK2	HPK2
1044	Universal Firmware Package for Drives - MO000800KXPRV,	SKHynix_PE81X0_KPE81X0AHP K2.fwpkg	MO001600KXPTR	HPK2	HPK2

	MO001600KXPTR, MO003200KXPTT, MO006400KXPTU, VO000960KXPRU, VO001920KXPTN, VO003840KXPTP and VO007680KXPTQ				
1045	Universal Firmware Package for Drives - MO000800KXPRV, MO001600KXPTR, MO003200KXPTT, MO006400KXPTU, VO000960KXPRU, VO001920KXPTN, VO003840KXPTP and VO007680KXPTQ	SKHynix_PE81X0_KPE81X0AHP K2.fwpkg	MO003200KXPTT	HPK2	HPK2
1046	Universal Firmware Package for Drives - MO000800KXPRV, MO001600KXPTR, MO003200KXPTT, MO006400KXPTU, VO000960KXPRU, VO001920KXPTN, VO003840KXPTP and VO007680KXPTQ	SKHynix_PE81X0_KPE81X0AHP K2.fwpkg	MO006400KXPTU	HPK2	HPK2
1047	Universal Firmware Package for Drives - MO000800KXPRV, MO001600KXPTR, MO003200KXPTT, MO006400KXPTU, VO000960KXPRU, VO001920KXPTN, VO003840KXPTP and VO007680KXPTQ	SKHynix_PE81X0_KPE81X0AHP K2.fwpkg	VO000960KXPRU	HPK2	HPK2
1048	Universal Firmware Package for Drives - MO000800KXPRV, MO001600KXPTR, MO003200KXPTT, MO006400KXPTU, VO000960KXPRU, VO001920KXPTN, VO003840KXPTP and VO007680KXPTQ	SKHynix_PE81X0_KPE81X0AHP K2.fwpkg	VO001920KXPTN	HPK2	HPK2
1049	Universal Firmware Package for Drives - MO000800KXPRV, MO001600KXPTR, MO003200KXPTT, MO006400KXPTU, VO000960KXPRU, VO001920KXPTN, VO003840KXPTP and	SKHynix_PE81X0_KPE81X0AHP K2.fwpkg	VO003840KXPTP	HPK2	HPK2

	VO007680KXPTQ				
1050	Universal Firmware Package for Drives - MO000800KXPRV, MO001600KXPTR, MO003200KXPTT, MO006400KXPTU, VO000960KXPRU, VO001920KXPTN, VO003840KXPTP and VO007680KXPTQ	SKHynix_PE81X0_KPE81X0AHP K2.fwpkg	VO007680KXPTQ	HPK2	HPK2
1051	Universal Firmware Package for Drives - MO000800KXUJT, MO001600KXUJU, MO003200KXUJV, MO006400KXUKA, VO000960KXUJN, VO001920KXUJP, VO003840KXUJQ, VO007680KXUJR and VO015360KYGZQ	Kioxia_CD8_KACD8ALSHPK2.fw pkg	MO000800KXUJT	HPK2	HPK2
1052	Universal Firmware Package for Drives - MO000800KXUJT, MO001600KXUJU, MO003200KXUJV, MO006400KXUKA, VO000960KXUJN, VO001920KXUJP, VO003840KXUJQ, VO007680KXUJR and VO015360KYGZQ	Kioxia_CD8_KACD8ALSHPK2.fw pkg	MO001600KXUJU	HPK2	HPK2
1053	Universal Firmware Package for Drives - MO000800KXUJT, MO001600KXUJU, MO003200KXUJV, MO006400KXUKA, VO000960KXUJN, VO001920KXUJP, VO003840KXUJQ, VO007680KXUJR and VO015360KYGZQ	Kioxia_CD8_KACD8ALSHPK2.fw pkg	MO003200KXUJV	HPK2	HPK2
1054	Universal Firmware Package for Drives - MO000800KXUJT, MO001600KXUJU, MO003200KXUJV, MO006400KXUKA, VO000960KXUJN, VO001920KXUJP, VO003840KXUJQ, VO007680KXUJR and VO015360KYGZQ	Kioxia_CD8_KACD8ALSHPK2.fw pkg	MO006400KXUKA	HPK2	HPK2

1055	Universal Firmware Package for Drives - MO000800KXUJT, MO001600KXUJU, MO003200KXUJV, MO006400KXUKA, VO000960KXUJN, VO001920KXUJP, VO003840KXUJQ, VO007680KXUJR and VO015360KYGZQ	Kioxia_CD8_KACD8ALSHPK2.fw pkg	VO000960KXUJN	HPK2	HPK2
1056	Universal Firmware Package for Drives - MO000800KXUJT, MO001600KXUJU, MO003200KXUJV, MO006400KXUKA, VO000960KXUJN, VO001920KXUJP, VO003840KXUJQ, VO007680KXUJR and VO015360KYGZQ	Kioxia_CD8_KACD8ALSHPK2.fw pkg	VO001920KXUJP	HPK2	HPK2
1057	Universal Firmware Package for Drives - MO000800KXUJT, MO001600KXUJU, MO003200KXUJV, MO006400KXUKA, VO000960KXUJN, VO001920KXUJP, VO003840KXUJQ, VO007680KXUJR and VO015360KYGZQ	Kioxia_CD8_KACD8ALSHPK2.fw pkg	VO003840KXUJQ	HPK2	HPK2
1058	Universal Firmware Package for Drives - MO000800KXUJT, MO001600KXUJU, MO003200KXUJV, MO006400KXUKA, VO000960KXUJN, VO001920KXUJP, VO003840KXUJQ, VO007680KXUJR and VO015360KYGZQ	Kioxia_CD8_KACD8ALSHPK2.fw pkg	VO007680KXUJR	HPK2	HPK2
1059	Universal Firmware Package for Drives - MO000800KXUJT, MO001600KXUJU, MO003200KXUJV, MO006400KXUKA, VO000960KXUJN, VO001920KXUJP, VO003840KXUJQ, VO007680KXUJR and VO015360KYGZQ	Kioxia_CD8_KACD8ALSHPK2.fw pkg	VO015360KYGZQ	HPK2	HPK2
1060	Universal Firmware	Micron_7500_Micron_7500_M	MO006400KYDZU	HPK1	HPK1

	Package for Drives - MO000800KYDZK, MO001600KYDZR, MO003200KYDZT, MO006400KYDZU, VO000960KYDZH, VO001920KYDZL, VO003840KYDZN, VO001536KYDZQ and VO007680KYDZP	7500ALLHPK1.fwpkg			
1061	Universal Firmware Package for Drives - MO000800KYDZK, MO001600KYDZR, MO003200KYDZT, MO006400KYDZU, VO000960KYDZH, VO001920KYDZL, VO003840KYDZN, VO001536KYDZQ and VO007680KYDZP	Micron_7500_Micron_7500_M 7500ALLHPK1.fwpkg	MO003200KYDZT	HPK1	HPK1
1062	Universal Firmware Package for Drives - MO000800KYDZK, MO001600KYDZR, MO003200KYDZT, MO006400KYDZU, VO000960KYDZH, VO001920KYDZL, VO003840KYDZN, VO001536KYDZQ and VO007680KYDZP	Micron_7500_Micron_7500_M 7500ALLHPK1.fwpkg	MO001600KYDZR	HPK1	HPK1
1063	Universal Firmware Package for Drives - MO000800KYDZK, MO001600KYDZR, MO003200KYDZT, MO006400KYDZU, VO000960KYDZH, VO001920KYDZL, VO003840KYDZN, VO001536KYDZQ and VO007680KYDZP	Micron_7500_Micron_7500_M 7500ALLHPK1.fwpkg	MO000800KYDZK	HPK1	HPK1
1064	Universal Firmware Package for Drives - MO000800KYDZK, MO001600KYDZR, MO003200KYDZT, MO006400KYDZU, VO000960KYDZH, VO001920KYDZL, VO003840KYDZN, VO001536KYDZQ and VO007680KYDZP	Micron_7500_Micron_7500_M 7500ALLHPK1.fwpkg	VO007680KYDZP	HPK1	HPK1
1065	Universal Firmware Package for Drives -	Micron_7500_Micron_7500_M 7500ALLHPK1.fwpkg	VO003840KYDZN	HPK1	HPK1

	MO000800KYDZK, MO001600KYDZR, MO003200KYDZT, MO006400KYDZU, VO000960KYDZH, VO001920KYDZL, VO003840KYDZN, VO001536KYDZQ and VO007680KYDZP				
1066	Universal Firmware Package for Drives - MO000800KYDZK, MO001600KYDZR, MO003200KYDZT, MO006400KYDZU, VO000960KYDZH, VO001920KYDZL, VO003840KYDZN, VO001536KYDZQ and VO007680KYDZP	Micron_7500_Micron_7500_M 7500ALLHPK1.fwpkg	VO001920KYDZL	HPK1	HPK1
1067	Universal Firmware Package for Drives - MO000800KYDZK, MO001600KYDZR, MO003200KYDZT, MO006400KYDZU, VO000960KYDZH, VO001920KYDZL, VO003840KYDZN, VO001536KYDZQ and VO007680KYDZP	Micron_7500_Micron_7500_M 7500ALLHPK1.fwpkg	VO000960KYDZH	HPK1	HPK1
1068	Universal Firmware Package for Drives - MO000800KYDZK, MO001600KYDZR, MO003200KYDZT, MO006400KYDZU, VO000960KYDZH, VO001920KYDZL, VO003840KYDZN, VO001536KYDZQ and VO007680KYDZP	Micron_7500_Micron_7500_M 7500ALLHPK1.fwpkg	VO001536KYDZQ	HPK1	HPK1
1069	Universal Firmware Package for Drives - MO001600KXVYH, MO003200KXVZD, MO006400KXVZE, VO001920KXVYF, VO003840KXVZA, VO007680KXVZB and VO015360KXVZC	Kioxia_CM7_KACM7ALSHPK3.f wpkg	MO001600KXVYH	HPK3	HPK3
1070	Universal Firmware Package for Drives - MO001600KXVYH, MO003200KXVZD, MO006400KXVZE,	Kioxia_CM7_KACM7ALSHPK3.f wpkg	MO003200KXVZD	HPK3	HPK3

	VO001920KXVYF, VO003840KXVZA, VO007680KXVZB and VO015360KXVZC				
1071	Universal Firmware Package for Drives - MO001600KXVYH, MO003200KXVZD, MO006400KXVZE, VO001920KXVYF, VO003840KXVZA, VO007680KXVZB and VO015360KXVZC	Kioxia_CM7_KACM7ALSHPK3.f wpkg	MO006400KXVZE	HPK3	HPK3
1072	Universal Firmware Package for Drives - MO001600KXVYH, MO003200KXVZD, MO006400KXVZE, VO001920KXVYF, VO003840KXVZA, VO007680KXVZB and VO015360KXVZC	Kioxia_CM7_KACM7ALSHPK3.f wpkg	VO001920KXVYF	HPK3	HPK3
1073	Universal Firmware Package for Drives - MO001600KXVYH, MO003200KXVZD, MO006400KXVZE, VO001920KXVYF, VO003840KXVZA, VO007680KXVZB and VO015360KXVZC	Kioxia_CM7_KACM7ALSHPK3.f wpkg	VO003840KXVZA	HPK3	HPK3
1074	Universal Firmware Package for Drives - MO001600KXVYH, MO003200KXVZD, MO006400KXVZE, VO001920KXVYF, VO003840KXVZA, VO007680KXVZB and VO015360KXVZC	Kioxia_CM7_KACM7ALSHPK3.f wpkg	VO007680KXVZB	HPK3	HPK3
1075	Universal Firmware Package for Drives - MO001600KXVYH, MO003200KXVZD, MO006400KXVZE, VO001920KXVYF, VO003840KXVZA, VO007680KXVZB and VO015360KXVZC	Kioxia_CM7_KACM7ALSHPK3.f wpkg	VO015360KXVZC	HPK3	HPK3
1076	Universal Firmware Package for Drives - MO001600KZYWU, MO003200KZYXB, MO006400KZYXC, VO001920KZYWT,	Solidigm_P5x20_41AAHPK5.fwp kg	MO001600KZYW U	HPK5	HPK5

	VO003840KZYWV and VO007680KZYXA				
1077	Universal Firmware Package for Drives - MO001600KZYWU, MO003200KZYXB, MO006400KZYXC, VO001920KZYWT, VO003840KZYWV and VO007680KZYXA	Solidigm_P5x20_4IAAHPK5.fwp kg	MO003200KZYXB	HPK5	HPK5
1078	Universal Firmware Package for Drives - MO001600KZYWU, MO003200KZYXB, MO006400KZYXC, VO001920KZYWT, VO003840KZYWV and VO007680KZYXA	Solidigm_P5x20_4IAAHPK5.fwp kg	MO006400KZYXC	HPK5	HPK5
1079	Universal Firmware Package for Drives - MO001600KZYWU, MO003200KZYXB, MO006400KZYXC, VO001920KZYWT, VO003840KZYWV and VO007680KZYXA	Solidigm_P5x20_4IAAHPK5.fwp kg	VO001920KZYWT	HPK5	HPK5
1080	Universal Firmware Package for Drives - MO001600KZYWU, MO003200KZYXB, MO006400KZYXC, VO001920KZYWT, VO003840KZYWV and VO007680KZYXA	Solidigm_P5x20_4IAAHPK5.fwp kg	VO003840KZYWV	HPK5	HPK5
1081	Universal Firmware Package for Drives - MO001600KZYWU, MO003200KZYXB, MO006400KZYXC, VO001920KZYWT, VO003840KZYWV and VO007680KZYXA	Solidigm_P5x20_4IAAHPK5.fwp kg	VO007680KZYXA	HPK5	HPK5
1082	Universal Firmware Package for Drives - MO001600YXUJB, MO003200YXUJC, MO006400YXUJD, VO001920YXUHU, VO003840YXUHV and VO007680YXUJA	Kioxia_CM7_KACM7ALFHPK3.f wpkg	MO001600YXUJB	HPK3	HPK3
1083	Universal Firmware Package for Drives - MO001600YXUJB, MO003200YXUJC, MO006400YXUJD,	Kioxia_CM7_KACM7ALFHPK3.f wpkg	MO003200YXUJC	HPK3	HPK3

	VO001920YXUHU, VO003840YXUHV and VO007680YXUJA				
1084	Universal Firmware Package for Drives - MO001600YXUJB, MO003200YXUJC, MO006400YXUJD, VO001920YXUHU, VO003840YXUHV and VO007680YXUJA	Kioxia_CM7_KACM7ALFHPK3.f wpkg	MO006400YXUJD	HPK3	HPK3
1085	Universal Firmware Package for Drives - MO001600YXUJB, MO003200YXUJC, MO006400YXUJD, VO001920YXUHU, VO003840YXUHV and VO007680YXUJA	Kioxia_CM7_KACM7ALFHPK3.f wpkg	VO001920YXUHU	HPK3	HPK3
1086	Universal Firmware Package for Drives - MO001600YXUJB, MO003200YXUJC, MO006400YXUJD, VO001920YXUHU, VO003840YXUHV and VO007680YXUJA	Kioxia_CM7_KACM7ALFHPK3.f wpkg	VO003840YXUHV	HPK3	HPK3
1087	Universal Firmware Package for Drives - MO001600YXUJB, MO003200YXUJC, MO006400YXUJD, VO001920YXUHU, VO003840YXUHV and VO007680YXUJA	Kioxia_CM7_KACM7ALFHPK3.f wpkg	VO007680YXUJA	HPK3	HPK3
1088	Universal Firmware Package for Drives - VK000960KYDPT, VK001920KYDPU, VK003840KYDPV and VK007680KYDQA	Samsung_PM9A3_PM9A3U3H PK4.fwpkg	VK000960KYDPT	HPK4	HPK4
1089	Universal Firmware Package for Drives - VK000960KYDPT, VK001920KYDPU, VK003840KYDPV and VK007680KYDQA	Samsung_PM9A3_PM9A3U3H PK4.fwpkg	VK001920KYDPU	HPK4	HPK4
1090	Universal Firmware Package for Drives - VK000960KYDPT, VK001920KYDPU, VK003840KYDPV and VK007680KYDQA	Samsung_PM9A3_PM9A3U3H PK4.fwpkg	VK003840KYDPV	HPK4	HPK4
1091	Universal Firmware Package for Drives -	Samsung_PM9A3_PM9A3U3H PK4.fwpkg	VK007680KYDQA	HPK4	HPK4

	VK000960KYDPT, VK001920KYDPU, VK003840KYDPV and VK007680KYDQA				
1092	Universal Firmware Package for Drives - VO000960KXNXD, VO001920KXNZQ, VO003840KXNZR, VO007680KXNZT, MO000800KXNXH, MO001600KXNZV, MO003200KXPAA and MO006400KXPAB	Micron_7450_Micron_7450_M 7450ALLHPS3.fwpkg	VO001920KXNZQ	HPS3	HPS3
1093	Universal Firmware Package for Drives - VO000960KXNXD, VO001920KXNZQ, VO003840KXNZR, VO007680KXNZT, MO000800KXNXH, MO001600KXNZV, MO003200KXPAA and MO006400KXPAB	Micron_7450_Micron_7450_M 7450ALLHPS3.fwpkg	VO003840KXNZR	HPS3	HPS3
1094	Universal Firmware Package for Drives - VO000960KXNXD, VO001920KXNZQ, VO003840KXNZR, VO007680KXNZT, MO000800KXNXH, MO001600KXNZV, MO003200KXPAA and MO006400KXPAB	Micron_7450_Micron_7450_M 7450ALLHPS3.fwpkg	VO007680KXNZT	HPS3	HPS3
1095	Universal Firmware Package for Drives - VO000960KXNXD, VO001920KXNZQ, VO003840KXNZR, VO007680KXNZT, MO000800KXNXH, MO001600KXNZV, MO003200KXPAA and MO006400KXPAB	Micron_7450_Micron_7450_M 7450ALLHPS3.fwpkg	MO000800KXNXH	HPS3	HPS3
1096	Universal Firmware Package for Drives - VO000960KXNXD, VO001920KXNZQ, VO003840KXNZR, VO007680KXNZT, MO000800KXNXH, MO001600KXNZV, MO003200KXPAA and MO006400KXPAB	Micron_7450_Micron_7450_M 7450ALLHPS3.fwpkg	MO001600KXNZV	HPS3	HPS3
1097	Universal Firmware	Micron_7450_Micron_7450_M	MO003200KXPAA	HPS3	HPS3

	Package for Drives - VO000960KXNXD, VO001920KXNZQ, VO003840KXNZR, VO007680KXNZT, MO000800KXNXH, MO001600KXNZV, MO003200KXPAA and MO006400KXPAB	7450ALLHPS3.fwpkg			
1098	Universal Firmware Package for Drives - VO000960KXNXD, VO001920KXNZQ, VO003840KXNZR, VO007680KXNZT, MO000800KXNXH, MO001600KXNZV, MO003200KXPAA and MO006400KXPAB	Micron_7450_Micron_7450_M 7450ALLHPS3.fwpkg	MO006400KXPAB	HPS3	HPS3
1099	Universal Firmware Package for Drives - VO000960KXNXD, VO001920KXNZQ, VO003840KXNZR, VO007680KXNZT, MO000800KXNXH, MO001600KXNZV, MO003200KXPAA and MO006400KXPAB	Micron_7450_Micron_7450_M 7450ALLHPS3.fwpkg	VO000960KXNXD	HPS3	HPS3
1100	Universal Firmware Package for Drives - VR000480KXLXF	Samsung_PM9A3_PM9A3M2H PK3.fwpkg	VR000480KXLXF	HPK3	HPK3

## Firmware—Power Management

No.	Description	Package filename	Device	Package Version	Firmware/Driver version
1101	Online Flash for Windows x64 - Innovation Engine Firmware for servers using Intel Xeon Scalable 3100/3200/4100/4200/5100/5200/6100/6200/8100/8200 series Processors	cp062648.exe	Innovation Engine (IE) Firmware	0.2.3.0 (C)	0.2.3.0
1102	Online ROM Flash for Linux - Advanced Power Capping Microcontroller Firmware for servers using Intel Xeon Scalable 3100/4100/5100/6100/8100 series Processors	firmware-powerpic-1.1.4-3.1.x86_64.rpm	Power Management Controller Firmware	1.1.4 (C)	1.1.4
1103	Online ROM Flash for Windows x64 - Advanced	cp065599.exe	Power Management	1.1.4 (C)	1.1.4

	Power Capping Microcontroller Firmware for servers using Intel Xeon Scalable 3100/4100/5100/6100/8100 series Processors		Controller Firmware		
1104	Online ROM Flash for Windows x64 - Innovation Engine Firmware for servers using Intel Xeon Scalable 4300/5300/6300/8300 series Processors	cp065583.exe	Innovation Engine (IE) Firmware	1.0.0.22 (C)	1.0.0.22
1105	ROM Flash Firmware Package - Advanced Power Capping Microcontroller Firmware for servers using Intel Xeon Scalable 3100/4100/5100/6100/8100 series Processors	PICFW-1.1.4-1.fwpkg	Power Management Controller Firmware	1.1.4	1.1.4

## Firmware--SAS Storage Disk

No.	Description	Package filename	Device	Package Version	Firmware/Driver version
1106	Online HDD/SSD Flash Component for Linux (x64) - EG000300JWSJP, EG000600JWJNH and EG001200JWJNK Drives	firmware-hdd-24fe569b72-HPD5-7.1.x86_64.rpm	EG001200JWJNK	HPD5 (G)	HPD5
1107	Online HDD/SSD Flash Component for Linux (x64) - EG000300JWSJP, EG000600JWJNH and EG001200JWJNK Drives	firmware-hdd-24fe569b72-HPD5-7.1.x86_64.rpm	EG000600JWJNH	HPD5 (G)	HPD5
1108	Online HDD/SSD Flash Component for Linux (x64) - EG000300JWSJP, EG000600JWJNH and EG001200JWJNK Drives	firmware-hdd-24fe569b72-HPD5-7.1.x86_64.rpm	EG000300JWSJP	HPD5 (G)	HPD5
1109	Online HDD/SSD Flash Component for Linux (x64) - EG000600JWJNP, EG001200JWJNQ, EG000600JXLVV, EG001200JXLWA and EG001200MXJQU Drives	firmware-hdd-bdfb8e99d9-HPD8-4.1.x86_64.rpm	EG001200JWJNQ	HPD8 (D)	HPD8
1110	Online HDD/SSD Flash Component for Linux (x64) - EG000600JWJNP, EG001200JWJNQ, EG000600JXLVV, EG001200JXLWA and EG001200MXJQU Drives	firmware-hdd-bdfb8e99d9-HPD8-4.1.x86_64.rpm	EG000600JWJNP	HPD8 (D)	HPD8

1111	Online HDD/SSD Flash Component for Linux (x64) - EG000600JWJNP, EG001200JWJNQ, EG000600JXLVV, EG001200JXLWA and EG001200MXJQU Drives	firmware-hdd-bdfb8e99d9-HPD8-4.1.x86_64.rpm	EG001200MXJQU	HPD8 (D)	HPD8
1112	Online HDD/SSD Flash Component for Linux (x64) - EG000600JWJNP, EG001200JWJNQ, EG000600JXLVV, EG001200JXLWA and EG001200MXJQU Drives	firmware-hdd-bdfb8e99d9-HPD8-4.1.x86_64.rpm	EG000600JXLVV	HPD8 (D)	HPD8
1113	Online HDD/SSD Flash Component for Linux (x64) - EG000600JWJNP, EG001200JWJNQ, EG000600JXLVV, EG001200JXLWA and EG001200MXJQU Drives	firmware-hdd-bdfb8e99d9-HPD8-4.1.x86_64.rpm	EG001200JXLWA	HPD8 (D)	HPD8
1114	Online HDD/SSD Flash Component for Linux (x64) - EG001800JWJNL and EG002400JWJNN Drives	firmware-hdd-852266afdf-HPD5-7.1.x86_64.rpm	EG002400JWJNN	HPD5 (G)	HPD5
1115	Online HDD/SSD Flash Component for Linux (x64) - EG001800JWJNL and EG002400JWJNN Drives	firmware-hdd-852266afdf-HPD5-7.1.x86_64.rpm	EG001800JWJNL	HPD5 (G)	HPD5
1116	Online HDD/SSD Flash Component for Linux (x64) - EG001800JWJNR, EG002400JWJNT, EG001800JXLWB, EG002400JXLWC and EG002400MXJQT Drives	firmware-hdd-b1c9eaf74c-HPDA-5.1.x86_64.rpm	EG001800JWJNR	HPDA (E)	HPDA
1117	Online HDD/SSD Flash Component for Linux (x64) - EG001800JWJNR, EG002400JWJNT, EG001800JXLWB, EG002400JXLWC and EG002400MXJQT Drives	firmware-hdd-b1c9eaf74c-HPDA-5.1.x86_64.rpm	EG002400JWJNT	HPDA (E)	HPDA
1118	Online HDD/SSD Flash Component for Linux (x64) - EG001800JWJNR, EG002400JWJNT, EG001800JXLWB, EG002400JXLWC and EG002400MXJQT Drives	firmware-hdd-b1c9eaf74c-HPDA-5.1.x86_64.rpm	EG002400MXJQT	HPDA (E)	HPDA
1119	Online HDD/SSD Flash Component for Linux (x64) - EG001800JWJNR, EG002400JWJNT, EG001800JXLWB,	firmware-hdd-b1c9eaf74c-HPDA-5.1.x86_64.rpm	EG001800JXLWB	HPDA (E)	HPDA

	EG002400JXLWC and EG002400MXJQT Drives				
1120	Online HDD/SSD Flash Component for Linux (x64) - EG001800JWJNR, EG002400JWJNT, EG001800JXLWB, EG002400JXLWC and EG002400MXJQT Drives	firmware-hdd-b1c9eaf74c-HPDA-5.1.x86_64.rpm	EG002400JXLWC	HPDA (E)	HPDA
1121	Online HDD/SSD Flash Component for Linux (x64) - EH000600JWCPCF and EH000900JWCPH Drives	firmware-hdd-a05f29cef3-HPDD-2.1.x86_64.rpm	EH000600JWCPCF	HPDD (B)	HPDD
1122	Online HDD/SSD Flash Component for Linux (x64) - EH000600JWCPCF and EH000900JWCPH Drives	firmware-hdd-a05f29cef3-HPDD-2.1.x86_64.rpm	EH000900JWCPH	HPDD (B)	HPDD
1123	Online HDD/SSD Flash Component for Linux (x64) - EH000900JWHPK and EH000600JWHPH Drives	firmware-hdd-c7df7ceedb-HPD8-5.1.x86_64.rpm	EH000600JWHPH	HPD8 (E)	HPD8
1124	Online HDD/SSD Flash Component for Linux (x64) - EH000900JWHPK and EH000600JWHPH Drives	firmware-hdd-c7df7ceedb-HPD8-5.1.x86_64.rpm	EH000900JWHPK	HPD8 (E)	HPD8
1125	Online HDD/SSD Flash Component for Linux (x64) - EH000900JWHPP, EH000600JWHPN and EH000300JWHPL Drives	firmware-hdd-8d68452816-HPD8-5.1.x86_64.rpm	EH000300JWHPL	HPD8 (E)	HPD8
1126	Online HDD/SSD Flash Component for Linux (x64) - EH000900JWHPP, EH000600JWHPN and EH000300JWHPL Drives	firmware-hdd-8d68452816-HPD8-5.1.x86_64.rpm	EH000600JWHPN	HPD8 (E)	HPD8
1127	Online HDD/SSD Flash Component for Linux (x64) - EH000900JWHPP, EH000600JWHPN and EH000300JWHPL Drives	firmware-hdd-8d68452816-HPD8-5.1.x86_64.rpm	EH000900JWHPP	HPD8 (E)	HPD8
1128	Online HDD/SSD Flash Component for Linux (x64) - EO000400JWDKP, EO000800JWDKQ, EO001600JWDKR, MO000400JWDKU, MO000800JWDKV, MO001600JWDLA and MO003200JWDLB Drives	firmware-hdd-5dcf26fa42-HPD3-3.1.x86_64.rpm	EO001600JWDKR	HPD3 (C)	HPD3
1129	Online HDD/SSD Flash Component for Linux (x64) - EO000400JWDKP, EO000800JWDKQ, EO001600JWDKR, MO000400JWDKU,	firmware-hdd-5dcf26fa42-HPD3-3.1.x86_64.rpm	MO001600JWDLA	HPD3 (C)	HPD3

	MO000800JWDKV, MO001600JWDLA and MO003200JWDLB Drives				
1130	Online HDD/SSD Flash Component for Linux (x64) - EO000400JWDKP, EO000800JWDKQ, EO001600JWDKR, MO000400JWDKU, MO000800JWDKV, MO001600JWDLA and MO003200JWDLB Drives	firmware-hdd- 5dcf26fa42-HPD3- 3.1.x86_64.rpm	MO003200JWDLB	HPD3 (C)	HPD3
1131	Online HDD/SSD Flash Component for Linux (x64) - EO000400JWDKP, EO000800JWDKQ, EO001600JWDKR, MO000400JWDKU, MO000800JWDKV, MO001600JWDLA and MO003200JWDLB Drives	firmware-hdd- 5dcf26fa42-HPD3- 3.1.x86_64.rpm	EO000400JWDKP	HPD3 (C)	HPD3
1132	Online HDD/SSD Flash Component for Linux (x64) - EO000400JWDKP, EO000800JWDKQ, EO001600JWDKR, MO000400JWDKU, MO000800JWDKV, MO001600JWDLA and MO003200JWDLB Drives	firmware-hdd- 5dcf26fa42-HPD3- 3.1.x86_64.rpm	MO000400JWDK U	HPD3 (C)	HPD3
1133	Online HDD/SSD Flash Component for Linux (x64) - EO000400JWDKP, EO000800JWDKQ, EO001600JWDKR, MO000400JWDKU, MO000800JWDKV, MO001600JWDLA and MO003200JWDLB Drives	firmware-hdd- 5dcf26fa42-HPD3- 3.1.x86_64.rpm	EO000800JWDKQ	HPD3 (C)	HPD3
1134	Online HDD/SSD Flash Component for Linux (x64) - EO000400JWDKP, EO000800JWDKQ, EO001600JWDKR, MO000400JWDKU, MO000800JWDKV, MO001600JWDLA and MO003200JWDLB Drives	firmware-hdd- 5dcf26fa42-HPD3- 3.1.x86_64.rpm	MO000800JWDK V	HPD3 (C)	HPD3
1135	Online HDD/SSD Flash Component for Linux (x64) - EO000400PXDQB, EO000800PXDCK, EO001600PXDCH, MO000800PXDDB, MO001600PXDCC,	firmware-hdd- 42aff4675b-HPD4- 2.1.x86_64.rpm	EO000800PXDCK	HPD4 (B)	HPD4

	MO003200PXDCD, MO006400PXDCD, VO000960PXDDBN, VO001920PXDDBR, VO003840PXDDBT, VO007680PXDDBU and VO015300PXDDBV Drives				
1136	Online HDD/SSD Flash Component for Linux (x64) - EO000400PXDDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDDBP, MO001600PXDCC, MO003200PXDCD, MO006400PXDCD, VO000960PXDDBN, VO001920PXDDBR, VO003840PXDDBT, VO007680PXDDBU and VO015300PXDDBV Drives	firmware-hdd- 42aff4675b-HPD4- 2.1.x86_64.rpm	MO000800PXDDBP	HPD4 (B)	HPD4
1137	Online HDD/SSD Flash Component for Linux (x64) - EO000400PXDDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDDBP, MO001600PXDCC, MO003200PXDCD, MO006400PXDCD, VO000960PXDDBN, VO001920PXDDBR, VO003840PXDDBT, VO007680PXDDBU and VO015300PXDDBV Drives	firmware-hdd- 42aff4675b-HPD4- 2.1.x86_64.rpm	EO000400PXDDBQ	HPD4 (B)	HPD4
1138	Online HDD/SSD Flash Component for Linux (x64) - EO000400PXDDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDDBP, MO001600PXDCC, MO003200PXDCD, MO006400PXDCD, VO000960PXDDBN, VO001920PXDDBR, VO003840PXDDBT, VO007680PXDDBU and VO015300PXDDBV Drives	firmware-hdd- 42aff4675b-HPD4- 2.1.x86_64.rpm	EO001600PXDCH	HPD4 (B)	HPD4
1139	Online HDD/SSD Flash Component for Linux (x64) - EO000400PXDDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDDBP, MO001600PXDCC,	firmware-hdd- 42aff4675b-HPD4- 2.1.x86_64.rpm	MO001600PXDCC	HPD4 (B)	HPD4

	MO003200PXDCD, MO006400PXDCE, VO000960PXDDBN, VO001920PXDDBR, VO003840PXDDBT, VO007680PXDDBU and VO015300PXDDBV Drives				
1140	Online HDD/SSD Flash Component for Linux (x64) - EO000400PXDDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDDBP, MO001600PXDCC, MO003200PXDCD, MO006400PXDCE, VO000960PXDDBN, VO001920PXDDBR, VO003840PXDDBT, VO007680PXDDBU and VO015300PXDDBV Drives	firmware-hdd- 42aff4675b-HPD4- 2.1.x86_64.rpm	MO006400PXDCE	HPD4 (B)	HPD4
1141	Online HDD/SSD Flash Component for Linux (x64) - EO000400PXDDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDDBP, MO001600PXDCC, MO003200PXDCD, MO006400PXDCE, VO000960PXDDBN, VO001920PXDDBR, VO003840PXDDBT, VO007680PXDDBU and VO015300PXDDBV Drives	firmware-hdd- 42aff4675b-HPD4- 2.1.x86_64.rpm	VO007680PXDDBU	HPD4 (B)	HPD4
1142	Online HDD/SSD Flash Component for Linux (x64) - EO000400PXDDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDDBP, MO001600PXDCC, MO003200PXDCD, MO006400PXDCE, VO000960PXDDBN, VO001920PXDDBR, VO003840PXDDBT, VO007680PXDDBU and VO015300PXDDBV Drives	firmware-hdd- 42aff4675b-HPD4- 2.1.x86_64.rpm	VO001920PXDDBR	HPD4 (B)	HPD4
1143	Online HDD/SSD Flash Component for Linux (x64) - EO000400PXDDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDDBP, MO001600PXDCC,	firmware-hdd- 42aff4675b-HPD4- 2.1.x86_64.rpm	MO003200PXDCD	HPD4 (B)	HPD4

	MO003200PXDCD, MO006400PXDCD, VO000960PXDBN, VO001920PXDBR, VO003840PXDBT, VO007680PXDBU and VO015300PXDBV Drives				
1144	Online HDD/SSD Flash Component for Linux (x64) - EO000400PXDBQ, EO000800PXDCD, EO001600PXDCD, MO000800PXDBP, MO001600PXDCD, MO003200PXDCD, MO006400PXDCD, VO000960PXDBN, VO001920PXDBR, VO003840PXDBT, VO007680PXDBU and VO015300PXDBV Drives	firmware-hdd- 42aff4675b-HPD4- 2.1.x86_64.rpm	VO015300PXDBV	HPD4 (B)	HPD4
1145	Online HDD/SSD Flash Component for Linux (x64) - EO000400PXDBQ, EO000800PXDCD, EO001600PXDCD, MO000800PXDBP, MO001600PXDCD, MO003200PXDCD, MO006400PXDCD, VO000960PXDBN, VO001920PXDBR, VO003840PXDBT, VO007680PXDBU and VO015300PXDBV Drives	firmware-hdd- 42aff4675b-HPD4- 2.1.x86_64.rpm	VO000960PXDBN	HPD4 (B)	HPD4
1146	Online HDD/SSD Flash Component for Linux (x64) - EO000400PXDBQ, EO000800PXDCD, EO001600PXDCD, MO000800PXDBP, MO001600PXDCD, MO003200PXDCD, MO006400PXDCD, VO000960PXDBN, VO001920PXDBR, VO003840PXDBT, VO007680PXDBU and VO015300PXDBV Drives	firmware-hdd- 42aff4675b-HPD4- 2.1.x86_64.rpm	VO003840PXDBT	HPD4 (B)	HPD4
1147	Online HDD/SSD Flash Component for Linux (x64) - MB002000JWFVN and MB004000JWFVP Drives	firmware-hdd- d7af557f47-HPD4- 9.1.x86_64.rpm	MB002000JWFVN	HPD4 (I)	HPD4
1148	Online HDD/SSD Flash Component for Linux (x64) - MB002000JWFVN and	firmware-hdd- d7af557f47-HPD4- 9.1.x86_64.rpm	MB004000JWFVP	HPD4 (I)	HPD4

	MB004000JWFVP Drives				
1149	Online HDD/SSD Flash Component for Linux (x64) - MB002000JYDNE and MB004000JYDPB Drives	firmware-hdd-d4be2aecbb-HPD4-1.1.x86_64.rpm	MB004000JYDPB	HPD4	HPD4
1150	Online HDD/SSD Flash Component for Linux (x64) - MB002000JYDNE and MB004000JYDPB Drives	firmware-hdd-d4be2aecbb-HPD4-1.1.x86_64.rpm	MB002000JYDNE	HPD4	HPD4
1151	Online HDD/SSD Flash Component for Linux (x64) - MB004000JWFKV and MB006000JWFLV Drives	firmware-hdd-f6d00bd17e-HPD4-8.1.x86_64.rpm	MB004000JWFKV	HPD4 (H)	HPD4
1152	Online HDD/SSD Flash Component for Linux (x64) - MB004000JWFKV and MB006000JWFLV Drives	firmware-hdd-f6d00bd17e-HPD4-8.1.x86_64.rpm	MB006000JWFLV	HPD4 (H)	HPD4
1153	Online HDD/SSD Flash Component for Linux (x64) - MB004000JWKGV Drive	firmware-hdd-2c27a7a9a4-HPD2-8.1.x86_64.rpm	MB004000JWKGV	HPD2 (H)	HPD2
1154	Online HDD/SSD Flash Component for Linux (x64) - MB004000JWWQB and MB002000JWWQA Drives	firmware-hdd-adb3ab8147-HPD8-6.1.x86_64.rpm	MB004000JWWQB	HPD8 (F)	HPD8
1155	Online HDD/SSD Flash Component for Linux (x64) - MB004000JWWQB and MB002000JWWQA Drives	firmware-hdd-adb3ab8147-HPD8-6.1.x86_64.rpm	MB002000JWWQA	HPD8 (F)	HPD8
1156	Online HDD/SSD Flash Component for Linux (x64) - MB006000JWKGN Drive	firmware-hdd-a886842a99-HPD2-8.1.x86_64.rpm	MB006000JWKGN	HPD2 (H)	HPD2
1157	Online HDD/SSD Flash Component for Linux (x64) - MB006000JYDNF, MB008000JYDPC and MB010000JYDNH Drives	firmware-hdd-b04df66fe9-HPD3-2.1.x86_64.rpm	MB006000JYDNF	HPD3 (B)	HPD3
1158	Online HDD/SSD Flash Component for Linux (x64) - MB006000JYDNF, MB008000JYDPC and MB010000JYDNH Drives	firmware-hdd-b04df66fe9-HPD3-2.1.x86_64.rpm	MB008000JYDPC	HPD3 (B)	HPD3
1159	Online HDD/SSD Flash Component for Linux (x64) - MB006000JYDNF, MB008000JYDPC and MB010000JYDNH Drives	firmware-hdd-b04df66fe9-HPD3-2.1.x86_64.rpm	MB010000JYDNH	HPD3 (B)	HPD3
1160	Online HDD/SSD Flash Component for Linux (x64) - MB008000JWJRQ and MB006000JWJRP Drives	firmware-hdd-faf39e0ff7-HPD9-8.1.x86_64.rpm	MB008000JWJRQ	HPD9 (H)	HPD9
1161	Online HDD/SSD Flash Component for Linux (x64) - MB008000JWJRQ and MB006000JWJRP Drives	firmware-hdd-faf39e0ff7-HPD9-8.1.x86_64.rpm	MB006000JWJRP	HPD9 (H)	HPD9
1162	Online HDD/SSD Flash	firmware-hdd-	MB008000JWRTD	HPD2 (I)	HPD2

	Component for Linux (x64) - MB008000JWRD Drive	8b26d1ef02-HPD2-9.1.x86_64.rpm			
1163	Online HDD/SSD Flash Component for Linux (x64) - MB008000JWWQP and MB006000JWWQN Drives	firmware-hdd-ae6b41e855-HPD8-6.1.x86_64.rpm	MB006000JWWQ N	HPD8 (F)	HPD8
1164	Online HDD/SSD Flash Component for Linux (x64) - MB008000JWWQP and MB006000JWWQN Drives	firmware-hdd-ae6b41e855-HPD8-6.1.x86_64.rpm	MB008000JWWQ P	HPD8 (F)	HPD8
1165	Online HDD/SSD Flash Component for Linux (x64) - MB010000JWZHA, MB012000JWZHB, MB014000JWZHC and MB016000JWZHE Drives	firmware-hdd-cf0b6cabe1-HPD4-5.1.x86_64.rpm	MB010000JWZHA	HPD4 (E)	HPD4
1166	Online HDD/SSD Flash Component for Linux (x64) - MB010000JWZHA, MB012000JWZHB, MB014000JWZHC and MB016000JWZHE Drives	firmware-hdd-cf0b6cabe1-HPD4-5.1.x86_64.rpm	MB016000JWZHE	HPD4 (E)	HPD4
1167	Online HDD/SSD Flash Component for Linux (x64) - MB010000JWZHA, MB012000JWZHB, MB014000JWZHC and MB016000JWZHE Drives	firmware-hdd-cf0b6cabe1-HPD4-5.1.x86_64.rpm	MB014000JWZHC	HPD4 (E)	HPD4
1168	Online HDD/SSD Flash Component for Linux (x64) - MB010000JWZHA, MB012000JWZHB, MB014000JWZHC and MB016000JWZHE Drives	firmware-hdd-cf0b6cabe1-HPD4-5.1.x86_64.rpm	MB012000JWZHB	HPD4 (E)	HPD4
1169	Online HDD/SSD Flash Component for Linux (x64) - MB010000JYDKK, MB012000JYCJF, MB014000JYCJV, MB016000JYDKL and MB018000JYDKN Drives	firmware-hdd-8173816d98-HPD3-3.1.x86_64.rpm	MB010000JYDKK	HPD3 (C)	HPD3
1170	Online HDD/SSD Flash Component for Linux (x64) - MB010000JYDKK, MB012000JYCJF, MB014000JYCJV, MB016000JYDKL and MB018000JYDKN Drives	firmware-hdd-8173816d98-HPD3-3.1.x86_64.rpm	MB012000JYCJF	HPD3 (C)	HPD3
1171	Online HDD/SSD Flash Component for Linux (x64) - MB010000JYDKK, MB012000JYCJF, MB014000JYCJV, MB016000JYDKL and MB018000JYDKN Drives	firmware-hdd-8173816d98-HPD3-3.1.x86_64.rpm	MB014000JYCJV	HPD3 (C)	HPD3

1172	Online HDD/SSD Flash Component for Linux (x64) - MB010000JYDKK, MB012000JYCJF, MB014000JYCJV, MB016000JYDKL and MB018000JYDKN Drives	firmware-hdd-8173816d98-HPD3-3.1.x86_64.rpm	MB016000JYDKL	HPD3 (C)	HPD3
1173	Online HDD/SSD Flash Component for Linux (x64) - MB010000JYDKK, MB012000JYCJF, MB014000JYCJV, MB016000JYDKL and MB018000JYDKN Drives	firmware-hdd-8173816d98-HPD3-3.1.x86_64.rpm	MB018000JYDKN	HPD3 (C)	HPD3
1174	Online HDD/SSD Flash Component for Linux (x64) - MB012000JWDFD Drive	firmware-hdd-aaf1014ede-HPD4-3.1.x86_64.rpm	MB012000JWDFD	HPD4 (C)	HPD4
1175	Online HDD/SSD Flash Component for Linux (x64) - MB012000JZYVN, MB014000JZYVP, MB016000JZYVQ and MB018000JYCLK Drives	firmware-hdd-87b796d9ae-HPD4-3.1.x86_64.rpm	MB012000JZYVN	HPD4 (C)	HPD4
1176	Online HDD/SSD Flash Component for Linux (x64) - MB012000JZYVN, MB014000JZYVP, MB016000JZYVQ and MB018000JYCLK Drives	firmware-hdd-87b796d9ae-HPD4-3.1.x86_64.rpm	MB014000JZYVP	HPD4 (C)	HPD4
1177	Online HDD/SSD Flash Component for Linux (x64) - MB012000JZYVN, MB014000JZYVP, MB016000JZYVQ and MB018000JYCLK Drives	firmware-hdd-87b796d9ae-HPD4-3.1.x86_64.rpm	MB016000JZYVQ	HPD4 (C)	HPD4
1178	Online HDD/SSD Flash Component for Linux (x64) - MB012000JZYVN, MB014000JZYVP, MB016000JZYVQ and MB018000JYCLK Drives	firmware-hdd-87b796d9ae-HPD4-3.1.x86_64.rpm	MB018000JYCLK	HPD4 (C)	HPD4
1179	Online HDD/SSD Flash Component for Linux (x64) - MB014000JWRTH, MB012000JWRTF and MB010000JWRTE Drives	firmware-hdd-10385ef3e6-HPD2-13.1.x86_64.rpm	MB014000JWRTH	HPD2 (M)	HPD2
1180	Online HDD/SSD Flash Component for Linux (x64) - MB014000JWRTH, MB012000JWRTF and MB010000JWRTE Drives	firmware-hdd-10385ef3e6-HPD2-13.1.x86_64.rpm	MB012000JWRTF	HPD2 (M)	HPD2
1181	Online HDD/SSD Flash Component for Linux (x64) - MB014000JWRTH, MB012000JWRTF and	firmware-hdd-10385ef3e6-HPD2-13.1.x86_64.rpm	MB010000JWRTE	HPD2 (M)	HPD2

	MB010000JWRTE Drives				
1182	Online HDD/SSD Flash Component for Linux (x64) - MB014000JWTFD and MB012000JWTFD Drives	firmware-hdd-4ba9615f90-HPD9-2.1.x86_64.rpm	MB014000JWTFD	HPD9 (B)	HPD9
1183	Online HDD/SSD Flash Component for Linux (x64) - MB014000JWTFD and MB012000JWTFD Drives	firmware-hdd-4ba9615f90-HPD9-2.1.x86_64.rpm	MB012000JWTFD	HPD9 (B)	HPD9
1184	Online HDD/SSD Flash Component for Linux (x64) - MB014000JWUDB Drive	firmware-hdd-cfd7436fcc-HPD4-3.1.x86_64.rpm	MB014000JWUDB	HPD4 (C)	HPD4
1185	Online HDD/SSD Flash Component for Linux (x64) - MB014000JXUCC Drive	firmware-hdd-017797f12e-HPD4-4.1.x86_64.rpm	MB014000JXUCC	HPD4 (D)	HPD4
1186	Online HDD/SSD Flash Component for Linux (x64) - MB016000JWXKH Drive	firmware-hdd-8a0371a425-HPDC-1.1.x86_64.rpm	MB016000JWXKH	HPDC	HPDC
1187	Online HDD/SSD Flash Component for Linux (x64) - MB016000JXLBA and MB018000JXLAU Drives	firmware-hdd-d550523365-HPD3-4.1.x86_64.rpm	MB016000JXLBA	HPD3 (D)	HPD3
1188	Online HDD/SSD Flash Component for Linux (x64) - MB016000JXLBA and MB018000JXLAU Drives	firmware-hdd-d550523365-HPD3-4.1.x86_64.rpm	MB018000JXLAU	HPD3 (D)	HPD3
1189	Online HDD/SSD Flash Component for Linux (x64) - MB018000JXMTH and MB020000JXMTP Drives	firmware-hdd-020fc874ad-HPD3-1.1.x86_64.rpm	MB020000JXMTP	HPD3	HPD3
1190	Online HDD/SSD Flash Component for Linux (x64) - MB018000JXMTH and MB020000JXMTP Drives	firmware-hdd-020fc874ad-HPD3-1.1.x86_64.rpm	MB018000JXMTH	HPD3	HPD3
1191	Online HDD/SSD Flash Component for Linux (x64) - MB2000JFDSL and MB4000JFDSN Drives	firmware-hdd-46fc43ab26-HPD4-14.1.x86_64.rpm	MB2000JFDSL	HPD4 (N)	HPD4
1192	Online HDD/SSD Flash Component for Linux (x64) - MB2000JFDSL and MB4000JFDSN Drives	firmware-hdd-46fc43ab26-HPD4-14.1.x86_64.rpm	MB4000JFDSN	HPD4 (N)	HPD4
1193	Online HDD/SSD Flash Component for Linux (x64) - MM1000JEFRB and MM2000JEFRC Drives	firmware-hdd-b04257b77b-HPDA-5.1.x86_64.rpm	MM1000JEFRB	HPDA (E)	HPDA
1194	Online HDD/SSD Flash Component for Linux (x64) - MM1000JEFRB and MM2000JEFRC Drives	firmware-hdd-b04257b77b-HPDA-5.1.x86_64.rpm	MM2000JEFRC	HPDA (E)	HPDA
1195	Online HDD/SSD Flash Component for Linux (x64) - MM1000JFJTH Drive	firmware-hdd-fa46c607d6-HPD5-5.1.x86_64.rpm	MM1000JFJTH	HPD5 (E)	HPD5
1196	Online HDD/SSD Flash Component for Linux (x64) -	firmware-hdd-ef93133161-HPD4-	MO006400JWUG B	HPD4 (B)	HPD4

	MO000400JWUFT, MO000800JWUFU, MO001600JWUFV, MO003200JWUGA, MO006400JWUGB, EO000400JWUGC, EO000800JWUGD and EO001600JWUGE Drives	2.1.x86_64.rpm			
1197	Online HDD/SSD Flash Component for Linux (x64) - MO000400JWUFT, MO000800JWUFU, MO001600JWUFV, MO003200JWUGA, MO006400JWUGB, EO000400JWUGC, EO000800JWUGD and EO001600JWUGE Drives	firmware-hdd- ef93133161-HPD4- 2.1.x86_64.rpm	MO003200JWUG A	HPD4 (B)	HPD4
1198	Online HDD/SSD Flash Component for Linux (x64) - MO000400JWUFT, MO000800JWUFU, MO001600JWUFV, MO003200JWUGA, MO006400JWUGB, EO000400JWUGC, EO000800JWUGD and EO001600JWUGE Drives	firmware-hdd- ef93133161-HPD4- 2.1.x86_64.rpm	MO001600JWUFV	HPD4 (B)	HPD4
1199	Online HDD/SSD Flash Component for Linux (x64) - MO000400JWUFT, MO000800JWUFU, MO001600JWUFV, MO003200JWUGA, MO006400JWUGB, EO000400JWUGC, EO000800JWUGD and EO001600JWUGE Drives	firmware-hdd- ef93133161-HPD4- 2.1.x86_64.rpm	EO001600JWUGE	HPD4 (B)	HPD4
1200	Online HDD/SSD Flash Component for Linux (x64) - MO000400JWUFT, MO000800JWUFU, MO001600JWUFV, MO003200JWUGA, MO006400JWUGB, EO000400JWUGC, EO000800JWUGD and EO001600JWUGE Drives	firmware-hdd- ef93133161-HPD4- 2.1.x86_64.rpm	MO000800JWUF U	HPD4 (B)	HPD4
1201	Online HDD/SSD Flash Component for Linux (x64) - MO000400JWUFT, MO000800JWUFU, MO001600JWUFV, MO003200JWUGA, MO006400JWUGB, EO000400JWUGC,	firmware-hdd- ef93133161-HPD4- 2.1.x86_64.rpm	EO000800JWUGD	HPD4 (B)	HPD4

	EO000800JWUGD and EO001600JWUGE Drives				
1202	Online HDD/SSD Flash Component for Linux (x64) - MO000400JWUFT, MO000800JWUFU, MO001600JWUFV, MO003200JWUGA, MO006400JWUGB, EO000400JWUGC, EO000800JWUGD and EO001600JWUGE Drives	firmware-hdd-ef93133161-HPD4-2.1.x86_64.rpm	MO000400JWUFT	HPD4 (B)	HPD4
1203	Online HDD/SSD Flash Component for Linux (x64) - MO000400JWUFT, MO000800JWUFU, MO001600JWUFV, MO003200JWUGA, MO006400JWUGB, EO000400JWUGC, EO000800JWUGD and EO001600JWUGE Drives	firmware-hdd-ef93133161-HPD4-2.1.x86_64.rpm	EO000400JWUGC	HPD4 (B)	HPD4
1204	Online HDD/SSD Flash Component for Linux (x64) - MO000800JXBEV, MO001600JXBFP, MO003200JXBFQ, MO006400JXBFR, MO000960JXBFA, MO001920JXBFT, MO003840JXBFU, MO007680JXBGA, MO015360JXBFV, EO000400JXBEU, EO000800JXBFL and EO001600JXBFN Drives	firmware-hdd-24384980ec-HPD2-1.1.x86_64.rpm	MO000800JXBEV	HPD2	HPD2
1205	Online HDD/SSD Flash Component for Linux (x64) - MO000800JXBEV, MO001600JXBFP, MO003200JXBFQ, MO006400JXBFR, MO000960JXBFA, MO001920JXBFT, MO003840JXBFU, MO007680JXBGA, MO015360JXBFV, EO000400JXBEU, EO000800JXBFL and EO001600JXBFN Drives	firmware-hdd-24384980ec-HPD2-1.1.x86_64.rpm	MO001600JXBFP	HPD2	HPD2
1206	Online HDD/SSD Flash Component for Linux (x64) - MO000800JXBEV, MO001600JXBFP, MO003200JXBFQ, MO006400JXBFR,	firmware-hdd-24384980ec-HPD2-1.1.x86_64.rpm	MO003200JXBFQ	HPD2	HPD2

	MO000960JXBFA, MO001920JXBFT, MO003840JXBFU, MO007680JXBGA, MO015360JXBFV, EO000400JXBEU, EO000800JXBFL and EO001600JXBFN Drives				
1207	Online HDD/SSD Flash Component for Linux (x64) - MO000800JXBEV, MO001600JXBFP, MO003200JXBFQ, MO006400JXBFR, MO000960JXBFA, MO001920JXBFT, MO003840JXBFU, MO007680JXBGA, MO015360JXBFV, EO000400JXBEU, EO000800JXBFL and EO001600JXBFN Drives	firmware-hdd- 24384980ec-HPD2- 1.1.x86_64.rpm	MO006400JXBFR	HPD2	HPD2
1208	Online HDD/SSD Flash Component for Linux (x64) - MO000800JXBEV, MO001600JXBFP, MO003200JXBFQ, MO006400JXBFR, MO000960JXBFA, MO001920JXBFT, MO003840JXBFU, MO007680JXBGA, MO015360JXBFV, EO000400JXBEU, EO000800JXBFL and EO001600JXBFN Drives	firmware-hdd- 24384980ec-HPD2- 1.1.x86_64.rpm	MO000960JXBFA	HPD2	HPD2
1209	Online HDD/SSD Flash Component for Linux (x64) - MO000800JXBEV, MO001600JXBFP, MO003200JXBFQ, MO006400JXBFR, MO000960JXBFA, MO001920JXBFT, MO003840JXBFU, MO007680JXBGA, MO015360JXBFV, EO000400JXBEU, EO000800JXBFL and EO001600JXBFN Drives	firmware-hdd- 24384980ec-HPD2- 1.1.x86_64.rpm	MO001920JXBFT	HPD2	HPD2
1210	Online HDD/SSD Flash Component for Linux (x64) - MO000800JXBEV, MO001600JXBFP, MO003200JXBFQ, MO006400JXBFR,	firmware-hdd- 24384980ec-HPD2- 1.1.x86_64.rpm	MO003840JXBFU	HPD2	HPD2

	MO000960JXBFA, MO001920JXBFT, MO003840JXBFU, MO007680JXBGA, MO015360JXBFV, EO000400JXBEU, EO000800JXBFL and EO001600JXBFN Drives				
1211	Online HDD/SSD Flash Component for Linux (x64) - MO000800JXBEV, MO001600JXBFP, MO003200JXBFQ, MO006400JXBFR, MO000960JXBFA, MO001920JXBFT, MO003840JXBFU, MO007680JXBGA, MO015360JXBFV, EO000400JXBEU, EO000800JXBFL and EO001600JXBFN Drives	firmware-hdd- 24384980ec-HPD2- 1.1.x86_64.rpm	MO007680JXBGA	HPD2	HPD2
1212	Online HDD/SSD Flash Component for Linux (x64) - MO000800JXBEV, MO001600JXBFP, MO003200JXBFQ, MO006400JXBFR, MO000960JXBFA, MO001920JXBFT, MO003840JXBFU, MO007680JXBGA, MO015360JXBFV, EO000400JXBEU, EO000800JXBFL and EO001600JXBFN Drives	firmware-hdd- 24384980ec-HPD2- 1.1.x86_64.rpm	MO015360JXBFV	HPD2	HPD2
1213	Online HDD/SSD Flash Component for Linux (x64) - MO000800JXBEV, MO001600JXBFP, MO003200JXBFQ, MO006400JXBFR, MO000960JXBFA, MO001920JXBFT, MO003840JXBFU, MO007680JXBGA, MO015360JXBFV, EO000400JXBEU, EO000800JXBFL and EO001600JXBFN Drives	firmware-hdd- 24384980ec-HPD2- 1.1.x86_64.rpm	EO000400JXBEU	HPD2	HPD2
1214	Online HDD/SSD Flash Component for Linux (x64) - MO000800JXBEV, MO001600JXBFP, MO003200JXBFQ, MO006400JXBFR,	firmware-hdd- 24384980ec-HPD2- 1.1.x86_64.rpm	EO000800JXBFL	HPD2	HPD2

	MO000960JXBFA, MO001920JXBFT, MO003840JXBFU, MO007680JXBGA, MO015360JXBFV, EO000400JXBEU, EO000800JXBFL and EO001600JXBFN Drives				
1215	Online HDD/SSD Flash Component for Linux (x64) - MO000800JXBEV, MO001600JXBFP, MO003200JXBFQ, MO006400JXBFR, MO000960JXBFA, MO001920JXBFT, MO003840JXBFU, MO007680JXBGA, MO015360JXBFV, EO000400JXBEU, EO000800JXBFL and EO001600JXBFN Drives	firmware-hdd-24384980ec-HPD2-1.1.x86_64.rpm	EO001600JXBFN	HPD2	HPD2
1216	Online HDD/SSD Flash Component for Linux (x64) - VO000800JWZJP, VO001600JWZJQ, VO003200JWZJR and VO006400JWZJT Drives	firmware-hdd-a07a420ed1-HPD5-4.1.x86_64.rpm	VO006400JWZJT	HPD5 (D)	HPD5
1217	Online HDD/SSD Flash Component for Linux (x64) - VO000800JWZJP, VO001600JWZJQ, VO003200JWZJR and VO006400JWZJT Drives	firmware-hdd-a07a420ed1-HPD5-4.1.x86_64.rpm	VO003200JWZJR	HPD5 (D)	HPD5
1218	Online HDD/SSD Flash Component for Linux (x64) - VO000800JWZJP, VO001600JWZJQ, VO003200JWZJR and VO006400JWZJT Drives	firmware-hdd-a07a420ed1-HPD5-4.1.x86_64.rpm	VO001600JWZJQ	HPD5 (D)	HPD5
1219	Online HDD/SSD Flash Component for Linux (x64) - VO000800JWZJP, VO001600JWZJQ, VO003200JWZJR and VO006400JWZJT Drives	firmware-hdd-a07a420ed1-HPD5-4.1.x86_64.rpm	VO000800JWZJP	HPD5 (D)	HPD5
1220	Online HDD/SSD Flash Component for Linux (x64) - VO000960JWTBK, VO001920JWTBL, VO003840JWTBN, VO007680JWTBP, MO000400JWTBQ, MO000800JWTBQ, MO001600JWBTB,	firmware-hdd-9ad359dac1-HPDB-3.1.x86_64.rpm	VO007680JWBTB	HPDB (C)	HPDB

	MO003200JWTCBU, MO006400JWTCDB, EO000400JWTCBV, EO000800JWTCBA and EO001600JWTCB Drives				
1221	Online HDD/SSD Flash Component for Linux (x64) - VO000960JWTCBK, VO001920JWTCBL, VO003840JWTCBN, VO007680JWTCBP, MO000400JWTCBQ, MO000800JWTCBR, MO001600JWTCBT, MO003200JWTCBU, MO006400JWTCDB, EO000400JWTCBV, EO000800JWTCBA and EO001600JWTCB Drives	firmware-hdd- 9ad359dac1-HPDB- 3.1.x86_64.rpm	MO006400JWTCDB	HPDB (C)	HPDB
1222	Online HDD/SSD Flash Component for Linux (x64) - VO000960JWTCBK, VO001920JWTCBL, VO003840JWTCBN, VO007680JWTCBP, MO000400JWTCBQ, MO000800JWTCBR, MO001600JWTCBT, MO003200JWTCBU, MO006400JWTCDB, EO000400JWTCBV, EO000800JWTCBA and EO001600JWTCB Drives	firmware-hdd- 9ad359dac1-HPDB- 3.1.x86_64.rpm	VO003840JWTCBN	HPDB (C)	HPDB
1223	Online HDD/SSD Flash Component for Linux (x64) - VO000960JWTCBK, VO001920JWTCBL, VO003840JWTCBN, VO007680JWTCBP, MO000400JWTCBQ, MO000800JWTCBR, MO001600JWTCBT, MO003200JWTCBU, MO006400JWTCDB, EO000400JWTCBV, EO000800JWTCBA and EO001600JWTCB Drives	firmware-hdd- 9ad359dac1-HPDB- 3.1.x86_64.rpm	MO003200JWTCBU	HPDB (C)	HPDB
1224	Online HDD/SSD Flash Component for Linux (x64) - VO000960JWTCBK, VO001920JWTCBL, VO003840JWTCBN, VO007680JWTCBP, MO000400JWTCBQ, MO000800JWTCBR, MO001600JWTCBT,	firmware-hdd- 9ad359dac1-HPDB- 3.1.x86_64.rpm	EO003200JWTCCE	HPDB (C)	HPDB

	MO003200JWTCBU, MO006400JWTCB, EO000400JWTCB, EO000800JWTCB and EO001600JWTCB Drives				
1225	Online HDD/SSD Flash Component for Linux (x64) - VO000960JWTCB, VO001920JWTCB, VO003840JWTCB, VO007680JWTCB, MO000400JWTCB, MO000800JWTCB, MO001600JWTCB, MO003200JWTCB, MO006400JWTCB, EO000400JWTCB, EO000800JWTCB and EO001600JWTCB Drives	firmware-hdd- 9ad359dac1-HPDB- 3.1.x86_64.rpm	VO001920JWTCB	HPDB (C)	HPDB
1226	Online HDD/SSD Flash Component for Linux (x64) - VO000960JWTCB, VO001920JWTCB, VO003840JWTCB, VO007680JWTCB, MO000400JWTCB, MO000800JWTCB, MO001600JWTCB, MO003200JWTCB, MO006400JWTCB, EO000400JWTCB, EO000800JWTCB and EO001600JWTCB Drives	firmware-hdd- 9ad359dac1-HPDB- 3.1.x86_64.rpm	MO001600JWTCB	HPDB (C)	HPDB
1227	Online HDD/SSD Flash Component for Linux (x64) - VO000960JWTCB, VO001920JWTCB, VO003840JWTCB, VO007680JWTCB, MO000400JWTCB, MO000800JWTCB, MO001600JWTCB, MO003200JWTCB, MO006400JWTCB, EO000400JWTCB, EO000800JWTCB and EO001600JWTCB Drives	firmware-hdd- 9ad359dac1-HPDB- 3.1.x86_64.rpm	EO001600JWTCB	HPDB (C)	HPDB
1228	Online HDD/SSD Flash Component for Linux (x64) - VO000960JWTCB, VO001920JWTCB, VO003840JWTCB, VO007680JWTCB, MO000400JWTCB, MO000800JWTCB, MO001600JWTCB,	firmware-hdd- 9ad359dac1-HPDB- 3.1.x86_64.rpm	VO000960JWTCB	HPDB (C)	HPDB

	MO003200JWTCBU, MO006400JWTCB, EO000400JWTCBV, EO000800JWTCBA and EO001600JWTCB Drives				
1229	Online HDD/SSD Flash Component for Linux (x64) - VO000960JWTCBK, VO001920JWTCBL, VO003840JWTCBN, VO007680JWTCBP, MO000400JWTCBQ, MO000800JWTCBR, MO001600JWTCBT, MO003200JWTCBU, MO006400JWTCB, EO000400JWTCBV, EO000800JWTCBA and EO001600JWTCB Drives	firmware-hdd- 9ad359dac1-HPDB- 3.1.x86_64.rpm	MO000800JWTCBR	HPDB (C)	HPDB
1230	Online HDD/SSD Flash Component for Linux (x64) - VO000960JWTCBK, VO001920JWTCBL, VO003840JWTCBN, VO007680JWTCBP, MO000400JWTCBQ, MO000800JWTCBR, MO001600JWTCBT, MO003200JWTCBU, MO006400JWTCB, EO000400JWTCBV, EO000800JWTCBA and EO001600JWTCB Drives	firmware-hdd- 9ad359dac1-HPDB- 3.1.x86_64.rpm	EO000800JWTCBA	HPDB (C)	HPDB
1231	Online HDD/SSD Flash Component for Linux (x64) - VO000960JWTCBK, VO001920JWTCBL, VO003840JWTCBN, VO007680JWTCBP, MO000400JWTCBQ, MO000800JWTCBR, MO001600JWTCBT, MO003200JWTCBU, MO006400JWTCB, EO000400JWTCBV, EO000800JWTCBA and EO001600JWTCB Drives	firmware-hdd- 9ad359dac1-HPDB- 3.1.x86_64.rpm	MO000400JWTCB Q	HPDB (C)	HPDB
1232	Online HDD/SSD Flash Component for Linux (x64) - VO000960JWTCBK, VO001920JWTCBL, VO003840JWTCBN, VO007680JWTCBP, MO000400JWTCBQ, MO000800JWTCBR, MO001600JWTCBT,	firmware-hdd- 9ad359dac1-HPDB- 3.1.x86_64.rpm	EO000400JWTCBV	HPDB (C)	HPDB

	MO003200JWTCBU, MO006400JWTCB, EO000400JWTCB, EO000800JWTCB and EO001600JWTCB Drives				
1233	Online HDD/SSD Flash Component for Linux (x64) - VO000960JWTCB, VO001920JWTCB, VO003840JWTCB, VO007680JWTCB, MO000400JWTCB, MO000800JWTCB, MO001600JWTCB, MO003200JWTCB, MO006400JWTCB, EO000400JWTCB, EO000800JWTCB and EO001600JWTCB Drives	firmware-hdd- 9ad359dac1-HPDB- 3.1.x86_64.rpm	MO001920JWTCB WV	HPDB (C)	HPDB
1234	Online HDD/SSD Flash Component for Linux (x64) - VO000960JWZJF, VO001920JWZJH, VO003840JWZJK, VO007680JWZJL and VO015360JWZJN Drives	firmware-hdd- 35fd24601f-HPD5- 4.1.x86_64.rpm	VO015360JWZJN	HPD5 (D)	HPD5
1235	Online HDD/SSD Flash Component for Linux (x64) - VO000960JWZJF, VO001920JWZJH, VO003840JWZJK, VO007680JWZJL and VO015360JWZJN Drives	firmware-hdd- 35fd24601f-HPD5- 4.1.x86_64.rpm	VO007680JWZJL	HPD5 (D)	HPD5
1236	Online HDD/SSD Flash Component for Linux (x64) - VO000960JWZJF, VO001920JWZJH, VO003840JWZJK, VO007680JWZJL and VO015360JWZJN Drives	firmware-hdd- 35fd24601f-HPD5- 4.1.x86_64.rpm	VO003840JWZJK	HPD5 (D)	HPD5
1237	Online HDD/SSD Flash Component for Linux (x64) - VO000960JWZJF, VO001920JWZJH, VO003840JWZJK, VO007680JWZJL and VO015360JWZJN Drives	firmware-hdd- 35fd24601f-HPD5- 4.1.x86_64.rpm	VO001920JWZJH	HPD5 (D)	HPD5
1238	Online HDD/SSD Flash Component for Linux (x64) - VO000960JWZJF, VO001920JWZJH, VO003840JWZJK, VO007680JWZJL and VO015360JWZJN Drives	firmware-hdd- 35fd24601f-HPD5- 4.1.x86_64.rpm	VO000960JWZJF	HPD5 (D)	HPD5
1239	Online HDD/SSD Flash	firmware-hdd-	VO007680RWUFC	HPD8 (C)	HPD8

	Component for Linux (x64) - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives	8fafc9efb2-HPD8- 3.1.x86_64.rpm			
1240	Online HDD/SSD Flash Component for Linux (x64) - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives	firmware-hdd- 8fafc9efb2-HPD8- 3.1.x86_64.rpm	VO003840RWUFF	HPD8 (C)	HPD8
1241	Online HDD/SSD Flash Component for Linux (x64) - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives	firmware-hdd- 8fafc9efb2-HPD8- 3.1.x86_64.rpm	VO003840RWUFB	HPD8 (C)	HPD8
1242	Online HDD/SSD Flash Component for Linux (x64) - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives	firmware-hdd- 8fafc9efb2-HPD8- 3.1.x86_64.rpm	VO001920RWUFE	HPD8 (C)	HPD8
1243	Online HDD/SSD Flash Component for Linux (x64) - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives	firmware-hdd- 8fafc9efb2-HPD8- 3.1.x86_64.rpm	VO001920RWUFA	HPD8 (C)	HPD8
1244	Online HDD/SSD Flash Component for Linux (x64) - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives	firmware-hdd- 8fafc9efb2-HPD8- 3.1.x86_64.rpm	VO000960RWUFD	HPD8 (C)	HPD8
1245	Online HDD/SSD Flash Component for Linux (x64) -	firmware-hdd- 8fafc9efb2-HPD8-	VO000960RWUEV	HPD8 (C)	HPD8

	VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives	3.1.x86_64.rpm			
1246	Online HDD/SSD Flash Component for Linux (x64) - VO003840XZCLT, VO007680XZCMB, MO000800XZCLQ and MO001600XZCLV Drives	firmware-hdd- 8f501d6cf1-HPD3- 2.1.x86_64.rpm	VO003840XZCLT	HPD3 (B)	HPD3
1247	Online HDD/SSD Flash Component for Linux (x64) - VO003840XZCLT, VO007680XZCMB, MO000800XZCLQ and MO001600XZCLV Drives	firmware-hdd- 8f501d6cf1-HPD3- 2.1.x86_64.rpm	MO001600XZCLV	HPD3 (B)	HPD3
1248	Online HDD/SSD Flash Component for Linux (x64) - VO003840XZCLT, VO007680XZCMB, MO000800XZCLQ and MO001600XZCLV Drives	firmware-hdd- 8f501d6cf1-HPD3- 2.1.x86_64.rpm	MO000800XZCLQ	HPD3 (B)	HPD3
1249	Online HDD/SSD Flash Component for Linux (x64) - VO003840XZCLT, VO007680XZCMB, MO000800XZCLQ and MO001600XZCLV Drives	firmware-hdd- 8f501d6cf1-HPD3- 2.1.x86_64.rpm	VO007680XZCMB	HPD3 (B)	HPD3
1250	Online HDD/SSD Flash Component for VMware ESXi - EG000300JWSJP, EG000600JWJNH and EG001200JWJNK Drives	CP065966.zip	EG001200JWJNK	HPD5 (E)	HPD5
1251	Online HDD/SSD Flash Component for VMware ESXi - EG000300JWSJP, EG000600JWJNH and EG001200JWJNK Drives	CP065966.zip	EG000600JWJNH	HPD5 (E)	HPD5
1252	Online HDD/SSD Flash Component for VMware ESXi - EG000300JWSJP, EG000600JWJNH and EG001200JWJNK Drives	CP065966.zip	EG000300JWSJP	HPD5 (E)	HPD5
1253	Online HDD/SSD Flash Component for VMware ESXi - EG000600JWJNP, EG001200JWJNQ, EG000600JXLVV, EG001200JXLWA and EG001200MXJQU Drives	CP065996.zip	EG001200JWJNQ	HPD8 (C)	HPD8
1254	Online HDD/SSD Flash Component for VMware ESXi	CP065996.zip	EG000600JWJNP	HPD8 (C)	HPD8

	- EG000600JWJNP, EG001200JWJNQ, EG000600JXLVV, EG001200JXLWA and EG001200MXJQU Drives				
1255	Online HDD/SSD Flash Component for VMware ESXi - EG000600JWJNP, EG001200JWJNQ, EG000600JXLVV, EG001200JXLWA and EG001200MXJQU Drives	CP065996.zip	EG001200MXJQU	HPD8 (C)	HPD8
1256	Online HDD/SSD Flash Component for VMware ESXi - EG000600JWJNP, EG001200JWJNQ, EG000600JXLVV, EG001200JXLWA and EG001200MXJQU Drives	CP065996.zip	EG000600JXLVV	HPD8 (C)	HPD8
1257	Online HDD/SSD Flash Component for VMware ESXi - EG000600JWJNP, EG001200JWJNQ, EG000600JXLVV, EG001200JXLWA and EG001200MXJQU Drives	CP065996.zip	EG001200JXLWA	HPD8 (C)	HPD8
1258	Online HDD/SSD Flash Component for VMware ESXi - EG001800JWJNL and EG002400JWJNN Drives	CP065968.zip	EG002400JWJNN	HPD5 (E)	HPD5
1259	Online HDD/SSD Flash Component for VMware ESXi - EG001800JWJNL and EG002400JWJNN Drives	CP065968.zip	EG001800JWJNL	HPD5 (E)	HPD5
1260	Online HDD/SSD Flash Component for VMware ESXi - EG001800JWJNR, EG002400JWJNT, EG001800JXLWB, EG002400JXLWC and EG002400MXJQT Drives	CP065998.zip	EG001800JWJNR	HPDA (D)	HPDA
1261	Online HDD/SSD Flash Component for VMware ESXi - EG001800JWJNR, EG002400JWJNT, EG001800JXLWB, EG002400JXLWC and EG002400MXJQT Drives	CP065998.zip	EG002400JWJNT	HPDA (D)	HPDA
1262	Online HDD/SSD Flash Component for VMware ESXi - EG001800JWJNR, EG002400JWJNT, EG001800JXLWB, EG002400JXLWC and EG002400MXJQT Drives	CP065998.zip	EG002400MXJQT	HPDA (D)	HPDA

1263	Online HDD/SSD Flash Component for VMware ESXi - EG001800JWJNR, EG002400JWJNT, EG001800JXLWB, EG002400JXLWC and EG002400MXJQT Drives	CP065998.zip	EG001800JXLWB	HPDA (D)	HPDA
1264	Online HDD/SSD Flash Component for VMware ESXi - EG001800JWJNR, EG002400JWJNT, EG001800JXLWB, EG002400JXLWC and EG002400MXJQT Drives	CP065998.zip	EG002400JXLWC	HPDA (D)	HPDA
1265	Online HDD/SSD Flash Component for VMware ESXi - EH000600JWCPF and EH000900JWCPH Drives	CP066003.zip	EH000600JWCPF	HPDD (B)	HPDD
1266	Online HDD/SSD Flash Component for VMware ESXi - EH000600JWCPF and EH000900JWCPH Drives	CP066003.zip	EH000900JWCPH	HPDD (B)	HPDD
1267	Online HDD/SSD Flash Component for VMware ESXi - EH000900JWHPK and EH000600JWHPH Drives	CP065959.zip	EH000900JWHPK	HPD8 (C)	HPD8
1268	Online HDD/SSD Flash Component for VMware ESXi - EH000900JWHPK and EH000600JWHPH Drives	CP065959.zip	EH000600JWHPH	HPD8 (C)	HPD8
1269	Online HDD/SSD Flash Component for VMware ESXi - EH000900JWHPP, EH000600JWHPN and EH000300JWHPL Drives	CP065963.zip	EH000900JWHPP	HPD8 (C)	HPD8
1270	Online HDD/SSD Flash Component for VMware ESXi - EH000900JWHPP, EH000600JWHPN and EH000300JWHPL Drives	CP065963.zip	EH000600JWHPN	HPD8 (C)	HPD8
1271	Online HDD/SSD Flash Component for VMware ESXi - EH000900JWHPP, EH000600JWHPN and EH000300JWHPL Drives	CP065963.zip	EH000300JWHPL	HPD8 (C)	HPD8
1272	Online HDD/SSD Flash Component for VMware ESXi - EO000400JWDKP, EO000800JWDKQ, EO001600JWDKR, MO000400JWDKU, MO000800JWDKV, MO001600JWDLA and MO003200JWDLB Drives	CP065939.zip	MO003200JWDLB	HPD3 (B)	HPD3
1273	Online HDD/SSD Flash	CP065939.zip	MO001600JWDLA	HPD3 (B)	HPD3

	Component for VMware ESXi - EO000400JWDKP, EO000800JWDKQ, EO001600JWDKR, MO000400JWDKU, MO000800JWDKV, MO001600JWDLA and MO003200JWDLB Drives				
1274	Online HDD/SSD Flash Component for VMware ESXi - EO000400JWDKP, EO000800JWDKQ, EO001600JWDKR, MO000400JWDKU, MO000800JWDKV, MO001600JWDLA and MO003200JWDLB Drives	CP065939.zip	EO001600JWDKR	HPD3 (B)	HPD3
1275	Online HDD/SSD Flash Component for VMware ESXi - EO000400JWDKP, EO000800JWDKQ, EO001600JWDKR, MO000400JWDKU, MO000800JWDKV, MO001600JWDLA and MO003200JWDLB Drives	CP065939.zip	MO000800JWDK V	HPD3 (B)	HPD3
1276	Online HDD/SSD Flash Component for VMware ESXi - EO000400JWDKP, EO000800JWDKQ, EO001600JWDKR, MO000400JWDKU, MO000800JWDKV, MO001600JWDLA and MO003200JWDLB Drives	CP065939.zip	EO000800JWDKQ	HPD3 (B)	HPD3
1277	Online HDD/SSD Flash Component for VMware ESXi - EO000400JWDKP, EO000800JWDKQ, EO001600JWDKR, MO000400JWDKU, MO000800JWDKV, MO001600JWDLA and MO003200JWDLB Drives	CP065939.zip	MO000400JWDK U	HPD3 (B)	HPD3
1278	Online HDD/SSD Flash Component for VMware ESXi - EO000400JWDKP, EO000800JWDKQ, EO001600JWDKR, MO000400JWDKU, MO000800JWDKV, MO001600JWDLA and MO003200JWDLB Drives	CP065939.zip	EO000400JWDKP	HPD3 (B)	HPD3
1279	Online HDD/SSD Flash Component for VMware ESXi	CP065931.zip	EO000800PXDC	HPD4 (B)	HPD4

	- EO000400PXDBQ, EO000800PXDCCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCCD, MO006400PXDCE, VO000960PXDDBN, VO001920PXDDBR, VO003840PXDDBT, VO007680PXDDBU and VO015300PXDDBV Drives				
1280	Online HDD/SSD Flash Component for VMware ESXi - EO000400PXDBQ, EO000800PXDCCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCCD, MO006400PXDCE, VO000960PXDDBN, VO001920PXDDBR, VO003840PXDDBT, VO007680PXDDBU and VO015300PXDDBV Drives	CP065931.zip	MO000800PXDBP	HPD4 (B)	HPD4
1281	Online HDD/SSD Flash Component for VMware ESXi - EO000400PXDBQ, EO000800PXDCCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCCD, MO006400PXDCE, VO000960PXDDBN, VO001920PXDDBR, VO003840PXDDBT, VO007680PXDDBU and VO015300PXDDBV Drives	CP065931.zip	EO000400PXDBQ	HPD4 (B)	HPD4
1282	Online HDD/SSD Flash Component for VMware ESXi - EO000400PXDBQ, EO000800PXDCCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCCD, MO006400PXDCE, VO000960PXDDBN, VO001920PXDDBR, VO003840PXDDBT, VO007680PXDDBU and VO015300PXDDBV Drives	CP065931.zip	EO001600PXDCH	HPD4 (B)	HPD4
1283	Online HDD/SSD Flash Component for VMware ESXi	CP065931.zip	MO001600PXDCC	HPD4 (B)	HPD4

	- E0000400PXDBQ, E0000800PXDCK, E0001600PXDCH, M0000800PXDBP, M0001600PXDCC, M0003200PXDCCD, M0006400PXDCE, V0000960PXDBN, V0001920PXDDBR, V0003840PXDDBT, V0007680PXDDBU and V0015300PXDDBV Drives				
1284	Online HDD/SSD Flash Component for VMware ESXi - E0000400PXDBQ, E0000800PXDCK, E0001600PXDCH, M0000800PXDBP, M0001600PXDCC, M0003200PXDCCD, M0006400PXDCE, V0000960PXDBN, V0001920PXDDBR, V0003840PXDDBT, V0007680PXDDBU and V0015300PXDDBV Drives	CP065931.zip	M0006400PXDCE	HPD4 (B)	HPD4
1285	Online HDD/SSD Flash Component for VMware ESXi - E0000400PXDBQ, E0000800PXDCK, E0001600PXDCH, M0000800PXDBP, M0001600PXDCC, M0003200PXDCCD, M0006400PXDCE, V0000960PXDBN, V0001920PXDDBR, V0003840PXDDBT, V0007680PXDDBU and V0015300PXDDBV Drives	CP065931.zip	V0007680PXDDBU	HPD4 (B)	HPD4
1286	Online HDD/SSD Flash Component for VMware ESXi - E0000400PXDBQ, E0000800PXDCK, E0001600PXDCH, M0000800PXDBP, M0001600PXDCC, M0003200PXDCCD, M0006400PXDCE, V0000960PXDBN, V0001920PXDDBR, V0003840PXDDBT, V0007680PXDDBU and V0015300PXDDBV Drives	CP065931.zip	V0001920PXDDBR	HPD4 (B)	HPD4
1287	Online HDD/SSD Flash Component for VMware ESXi	CP065931.zip	V0015300PXDDBV	HPD4 (B)	HPD4

	- E0000400PXDBQ, E0000800PXDCK, E0001600PXDCH, M0000800PXDBP, M0001600PXDCC, M0003200PXDCCD, M0006400PXDCE, V0000960PXDBN, V0001920PXDDBR, V0003840PXDDBT, V0007680PXDDBU and V0015300PXDDBV Drives				
1288	Online HDD/SSD Flash Component for VMware ESXi - E0000400PXDBQ, E0000800PXDCK, E0001600PXDCH, M0000800PXDBP, M0001600PXDCC, M0003200PXDCCD, M0006400PXDCE, V0000960PXDBN, V0001920PXDDBR, V0003840PXDDBT, V0007680PXDDBU and V0015300PXDDBV Drives	CP065931.zip	M0003200PXDCCD	HPD4 (B)	HPD4
1289	Online HDD/SSD Flash Component for VMware ESXi - E0000400PXDBQ, E0000800PXDCK, E0001600PXDCH, M0000800PXDBP, M0001600PXDCC, M0003200PXDCCD, M0006400PXDCE, V0000960PXDBN, V0001920PXDDBR, V0003840PXDDBT, V0007680PXDDBU and V0015300PXDDBV Drives	CP065931.zip	V0000960PXDBN	HPD4 (B)	HPD4
1290	Online HDD/SSD Flash Component for VMware ESXi - E0000400PXDBQ, E0000800PXDCK, E0001600PXDCH, M0000800PXDBP, M0001600PXDCC, M0003200PXDCCD, M0006400PXDCE, V0000960PXDBN, V0001920PXDDBR, V0003840PXDDBT, V0007680PXDDBU and V0015300PXDDBV Drives	CP065931.zip	V0003840PXDDBT	HPD4 (B)	HPD4
1291	Online HDD/SSD Flash Component for VMware ESXi	CP065988.zip	MB002000JWFVN	HPD4 (G)	HPD4

	- MB002000JWFVN and MB004000JWFVP Drives				
1292	Online HDD/SSD Flash Component for VMware ESXi - MB002000JWFVN and MB004000JWFVP Drives	CP065988.zip	MB004000JWFVP	HPD4 (G)	HPD4
1293	Online HDD/SSD Flash Component for VMware ESXi - MB002000JYDNE and MB004000JYDPB Drives	CP065967.zip	MB004000JYDPB	HPD4 (B)	HPD4
1294	Online HDD/SSD Flash Component for VMware ESXi - MB002000JYDNE and MB004000JYDPB Drives	CP065967.zip	MB002000JYDNE	HPD4 (B)	HPD4
1295	Online HDD/SSD Flash Component for VMware ESXi - MB004000JWFVK and MB006000JWFVL Drives	CP065961.zip	MB004000JWFVK	HPD4 (F)	HPD4
1296	Online HDD/SSD Flash Component for VMware ESXi - MB004000JWFVK and MB006000JWFVL Drives	CP065961.zip	MB006000JWFVL	HPD4 (F)	HPD4
1297	Online HDD/SSD Flash Component for VMware ESXi - MB004000JWKGU Drive	CP065986.zip	MB004000JWKGU	HPD2 (F)	HPD2
1298	Online HDD/SSD Flash Component for VMware ESXi - MB004000JWWQB and MB002000JWWQA Drives	CP066009.zip	MB004000JWWQ B	HPD8 (C)	HPD8
1299	Online HDD/SSD Flash Component for VMware ESXi - MB004000JWWQB and MB002000JWWQA Drives	CP066009.zip	MB002000JWWQ A	HPD8 (C)	HPD8
1300	Online HDD/SSD Flash Component for VMware ESXi - MB006000JWKGU Drive	CP065983.zip	MB006000JWKGU	HPD2 (F)	HPD2
1301	Online HDD/SSD Flash Component for VMware ESXi - MB006000JYDNF, MB008000JYDPC and MB010000JYDNH Drives	CP065960.zip	MB006000JYDNF	HPD3 (B)	HPD3
1302	Online HDD/SSD Flash Component for VMware ESXi - MB006000JYDNF, MB008000JYDPC and MB010000JYDNH Drives	CP065960.zip	MB008000JYDPC	HPD3 (B)	HPD3
1303	Online HDD/SSD Flash Component for VMware ESXi - MB006000JYDNF, MB008000JYDPC and MB010000JYDNH Drives	CP065960.zip	MB010000JYDNH	HPD3 (B)	HPD3
1304	Online HDD/SSD Flash Component for VMware ESXi - MB008000JWJRP and MB006000JWJRP Drives	CP065930.zip	MB008000JWJRP	HPD9 (G)	HPD9

1305	Online HDD/SSD Flash Component for VMware ESXi - MB008000JWJRQ and MB006000JWJRP Drives	CP065930.zip	MB006000JWJRP	HPD9 (G)	HPD9
1306	Online HDD/SSD Flash Component for VMware ESXi - MB008000JWRTD Drive	CP065989.zip	MB008000JWRTD	HPD2 (G)	HPD2
1307	Online HDD/SSD Flash Component for VMware ESXi - MB008000JWWQP and MB006000JWWQN Drives	CP066008.zip	MB006000JWWQN	HPD8 (C)	HPD8
1308	Online HDD/SSD Flash Component for VMware ESXi - MB008000JWWQP and MB006000JWWQN Drives	CP066008.zip	MB008000JWWQP	HPD8 (C)	HPD8
1309	Online HDD/SSD Flash Component for VMware ESXi - MB010000JWZHA, MB012000JWZHB, MB014000JWZHC and MB016000JWZHE Drives	CP066010.zip	MB010000JWZHA	HPD4 (C)	HPD4
1310	Online HDD/SSD Flash Component for VMware ESXi - MB010000JWZHA, MB012000JWZHB, MB014000JWZHC and MB016000JWZHE Drives	CP066010.zip	MB012000JWZHB	HPD4 (C)	HPD4
1311	Online HDD/SSD Flash Component for VMware ESXi - MB010000JWZHA, MB012000JWZHB, MB014000JWZHC and MB016000JWZHE Drives	CP066010.zip	MB016000JWZHE	HPD4 (C)	HPD4
1312	Online HDD/SSD Flash Component for VMware ESXi - MB010000JWZHA, MB012000JWZHB, MB014000JWZHC and MB016000JWZHE Drives	CP066010.zip	MB014000JWZHC	HPD4 (C)	HPD4
1313	Online HDD/SSD Flash Component for VMware ESXi - MB010000JYDKK, MB012000JYCJF, MB014000JYCJV, MB016000JYDKL and MB018000JYDKN Drives	CP065975.zip	MB010000JYDKK	HPD3 (C)	HPD3
1314	Online HDD/SSD Flash Component for VMware ESXi - MB010000JYDKK, MB012000JYCJF, MB014000JYCJV, MB016000JYDKL and MB018000JYDKN Drives	CP065975.zip	MB012000JYCJF	HPD3 (C)	HPD3
1315	Online HDD/SSD Flash Component for VMware ESXi	CP065975.zip	MB014000JYCJV	HPD3 (C)	HPD3

	- MB01000JYDKK, MB012000JYCJF, MB014000JYCJV, MB016000JYDKL and MB018000JYDKN Drives				
1316	Online HDD/SSD Flash Component for VMware ESXi - MB01000JYDKK, MB012000JYCJF, MB014000JYCJV, MB016000JYDKL and MB018000JYDKN Drives	CP065975.zip	MB016000JYDKL	HPD3 (C)	HPD3
1317	Online HDD/SSD Flash Component for VMware ESXi - MB01000JYDKK, MB012000JYCJF, MB014000JYCJV, MB016000JYDKL and MB018000JYDKN Drives	CP065975.zip	MB018000JYDKN	HPD3 (C)	HPD3
1318	Online HDD/SSD Flash Component for VMware ESXi - MB012000JWDFD Drive	CP065935.zip	MB012000JWDFD	HPD4 (C)	HPD4
1319	Online HDD/SSD Flash Component for VMware ESXi - MB012000JZYVN, MB014000JZYVP, MB016000JZYVQ and MB018000JYCLK Drives	CP065973.zip	MB012000JZYVN	HPD4 (C)	HPD4
1320	Online HDD/SSD Flash Component for VMware ESXi - MB012000JZYVN, MB014000JZYVP, MB016000JZYVQ and MB018000JYCLK Drives	CP065973.zip	MB014000JZYVP	HPD4 (C)	HPD4
1321	Online HDD/SSD Flash Component for VMware ESXi - MB012000JZYVN, MB014000JZYVP, MB016000JZYVQ and MB018000JYCLK Drives	CP065973.zip	MB016000JZYVQ	HPD4 (C)	HPD4
1322	Online HDD/SSD Flash Component for VMware ESXi - MB012000JZYVN, MB014000JZYVP, MB016000JZYVQ and MB018000JYCLK Drives	CP065973.zip	MB018000JYCLK	HPD4 (C)	HPD4
1323	Online HDD/SSD Flash Component for VMware ESXi - MB014000JWTFD and MB012000JWTFD Drives	CP065933.zip	MB014000JWTFD	HPD9 (B)	HPD9
1324	Online HDD/SSD Flash Component for VMware ESXi - MB014000JWTFD and MB012000JWTFD Drives	CP065933.zip	MB012000JWTFD	HPD9 (B)	HPD9
1325	Online HDD/SSD Flash	CP065992.zip	MB014000JWUDB	HPD4 (C)	HPD4

	Component for VMware ESXi - MB014000JWUDB Drive				
1326	Online HDD/SSD Flash Component for VMware ESXi - MB014000JXUCC Drive	CP065932.zip	MB014000JXUCC	HPD4 (C)	HPD4
1327	Online HDD/SSD Flash Component for VMware ESXi - MB016000JWXKH Drive	CP065940.zip	MB016000JWXKH	HPDC (B)	HPDC
1328	Online HDD/SSD Flash Component for VMware ESXi - MB016000JXLBA and MB018000JXLAU Drives	CP065993.zip	MB016000JXLBA	HPD3 (C)	HPD3
1329	Online HDD/SSD Flash Component for VMware ESXi - MB016000JXLBA and MB018000JXLAU Drives	CP065993.zip	MB018000JXLAU	HPD3 (C)	HPD3
1330	Online HDD/SSD Flash Component for VMware ESXi - MB018000JXMTH and MB020000JXMTP Drives	CP065976.zip	MB018000JXMTH	HPD3 (B)	HPD3
1331	Online HDD/SSD Flash Component for VMware ESXi - MB018000JXMTH and MB020000JXMTP Drives	CP065976.zip	MB020000JXMTP	HPD3 (B)	HPD3
1332	Online HDD/SSD Flash Component for VMware ESXi - MB2000JFDSL and MB4000JFDSN Drives	CP066012.zip	MB2000JFDSL	HPD4 (M)	HPD4
1333	Online HDD/SSD Flash Component for VMware ESXi - MB2000JFDSL and MB4000JFDSN Drives	CP066012.zip	MB4000JFDSN	HPD4 (M)	HPD4
1334	Online HDD/SSD Flash Component for VMware ESXi - MM1000JEFRB and MM2000JEFRC Drives	CP066004.zip	MM1000JEFRB	HPDA (E)	HPDA
1335	Online HDD/SSD Flash Component for VMware ESXi - MM1000JEFRB and MM2000JEFRC Drives	CP066004.zip	MM2000JEFRC	HPDA (E)	HPDA
1336	Online HDD/SSD Flash Component for VMware ESXi - MM1000JFJTH Drive	CP066005.zip	MM1000JFJTH	HPD5 (E)	HPD5
1337	Online HDD/SSD Flash Component for VMware ESXi - MO000400JWUFT, MO000800JWUFU, MO001600JWUFV, MO003200JWUGA, MO006400JWUGB, EO000400JWUGC, EO000800JWUGD and EO001600JWUGE Drives	CP065958.zip	MO006400JWUG B	HPD4 (B)	HPD4
1338	Online HDD/SSD Flash Component for VMware ESXi	CP065958.zip	MO003200JWUG A	HPD4 (B)	HPD4

	- MO000400JWUFT, MO000800JWUFU, MO001600JWUFV, MO003200JWUGA, MO006400JWUGB, EO000400JWUGC, EO000800JWUGD and EO001600JWUGE Drives				
1339	Online HDD/SSD Flash Component for VMware ESXi - MO000400JWUFT, MO000800JWUFU, MO001600JWUFV, MO003200JWUGA, MO006400JWUGB, EO000400JWUGC, EO000800JWUGD and EO001600JWUGE Drives	CP065958.zip	MO001600JWUFV	HPD4 (B)	HPD4
1340	Online HDD/SSD Flash Component for VMware ESXi - MO000400JWUFT, MO000800JWUFU, MO001600JWUFV, MO003200JWUGA, MO006400JWUGB, EO000400JWUGC, EO000800JWUGD and EO001600JWUGE Drives	CP065958.zip	EO001600JWUGE	HPD4 (B)	HPD4
1341	Online HDD/SSD Flash Component for VMware ESXi - MO000400JWUFT, MO000800JWUFU, MO001600JWUFV, MO003200JWUGA, MO006400JWUGB, EO000400JWUGC, EO000800JWUGD and EO001600JWUGE Drives	CP065958.zip	MO000800JWUF U	HPD4 (B)	HPD4
1342	Online HDD/SSD Flash Component for VMware ESXi - MO000400JWUFT, MO000800JWUFU, MO001600JWUFV, MO003200JWUGA, MO006400JWUGB, EO000400JWUGC, EO000800JWUGD and EO001600JWUGE Drives	CP065958.zip	EO000800JWUGD	HPD4 (B)	HPD4
1343	Online HDD/SSD Flash Component for VMware ESXi - MO000400JWUFT, MO000800JWUFU, MO001600JWUFV, MO003200JWUGA, MO006400JWUGB, EO000400JWUGC,	CP065958.zip	MO000400JWUFT	HPD4 (B)	HPD4

	EO000800JWUGD and EO001600JWUGE Drives				
1344	Online HDD/SSD Flash Component for VMware ESXi - MO000400JWUFT, MO000800JWUFU, MO001600JWUFV, MO003200JWUGA, MO006400JWUGB, EO000400JWUGC, EO000800JWUGD and EO001600JWUGE Drives	CP065958.zip	EO000400JWUGC	HPD4 (B)	HPD4
1345	Online HDD/SSD Flash Component for VMware ESXi - MO000800JXBEV, MO001600JXBFP, MO003200JXBFQ, MO006400JXBFR, MO000960JXBFA, MO001920JXBFT, MO003840JXBFU, MO007680JXBGA, MO015360JXBFV, EO000400JXBEU, EO000800JXBFL and EO001600JXBFN Drives	CP064915.zip	MO000800JXBEV	HPD2	HPD2
1346	Online HDD/SSD Flash Component for VMware ESXi - MO000800JXBEV, MO001600JXBFP, MO003200JXBFQ, MO006400JXBFR, MO000960JXBFA, MO001920JXBFT, MO003840JXBFU, MO007680JXBGA, MO015360JXBFV, EO000400JXBEU, EO000800JXBFL and EO001600JXBFN Drives	CP064915.zip	MO001600JXBFP	HPD2	HPD2
1347	Online HDD/SSD Flash Component for VMware ESXi - MO000800JXBEV, MO001600JXBFP, MO003200JXBFQ, MO006400JXBFR, MO000960JXBFA, MO001920JXBFT, MO003840JXBFU, MO007680JXBGA, MO015360JXBFV, EO000400JXBEU, EO000800JXBFL and EO001600JXBFN Drives	CP064915.zip	MO003200JXBFQ	HPD2	HPD2
1348	Online HDD/SSD Flash Component for VMware ESXi	CP064915.zip	MO006400JXBFR	HPD2	HPD2

	- MO000800XBEV, MO001600XBFP, MO003200XBFQ, MO006400XBFR, MO000960XBFA, MO001920XBFT, MO003840XBFU, MO007680XBGA, MO015360XBFV, EO000400XBEU, EO000800XBFL and EO001600XBFN Drives				
1349	Online HDD/SSD Flash Component for VMware ESXi - MO000800XBEV, MO001600XBFP, MO003200XBFQ, MO006400XBFR, MO000960XBFA, MO001920XBFT, MO003840XBFU, MO007680XBGA, MO015360XBFV, EO000400XBEU, EO000800XBFL and EO001600XBFN Drives	CP064915.zip	MO000960XBFA	HPD2	HPD2
1350	Online HDD/SSD Flash Component for VMware ESXi - MO000800XBEV, MO001600XBFP, MO003200XBFQ, MO006400XBFR, MO000960XBFA, MO001920XBFT, MO003840XBFU, MO007680XBGA, MO015360XBFV, EO000400XBEU, EO000800XBFL and EO001600XBFN Drives	CP064915.zip	MO001920XBFT	HPD2	HPD2
1351	Online HDD/SSD Flash Component for VMware ESXi - MO000800XBEV, MO001600XBFP, MO003200XBFQ, MO006400XBFR, MO000960XBFA, MO001920XBFT, MO003840XBFU, MO007680XBGA, MO015360XBFV, EO000400XBEU, EO000800XBFL and EO001600XBFN Drives	CP064915.zip	MO003840XBFU	HPD2	HPD2
1352	Online HDD/SSD Flash Component for VMware ESXi	CP064915.zip	MO007680XBGA	HPD2	HPD2

	- MO000800XBEV, MO001600XBFP, MO003200XBFQ, MO006400XBFR, MO000960XBFA, MO001920XBFT, MO003840XBFU, MO007680XBGA, MO015360XBFV, EO000400XBEU, EO000800XBFL and EO001600XBFN Drives				
1353	Online HDD/SSD Flash Component for VMware ESXi - MO000800XBEV, MO001600XBFP, MO003200XBFQ, MO006400XBFR, MO000960XBFA, MO001920XBFT, MO003840XBFU, MO007680XBGA, MO015360XBFV, EO000400XBEU, EO000800XBFL and EO001600XBFN Drives	CP064915.zip	MO015360XBFV	HPD2	HPD2
1354	Online HDD/SSD Flash Component for VMware ESXi - MO000800XBEV, MO001600XBFP, MO003200XBFQ, MO006400XBFR, MO000960XBFA, MO001920XBFT, MO003840XBFU, MO007680XBGA, MO015360XBFV, EO000400XBEU, EO000800XBFL and EO001600XBFN Drives	CP064915.zip	EO000400XBEU	HPD2	HPD2
1355	Online HDD/SSD Flash Component for VMware ESXi - MO000800XBEV, MO001600XBFP, MO003200XBFQ, MO006400XBFR, MO000960XBFA, MO001920XBFT, MO003840XBFU, MO007680XBGA, MO015360XBFV, EO000400XBEU, EO000800XBFL and EO001600XBFN Drives	CP064915.zip	EO000800XBFL	HPD2	HPD2
1356	Online HDD/SSD Flash Component for VMware ESXi	CP064915.zip	EO001600XBFN	HPD2	HPD2

	- MO000800JXBEV, MO001600JXBFQ, MO003200JXBFQ, MO006400JXBFR, MO000960JXBFA, MO001920JXBFT, MO003840JXBFU, MO007680JXBGA, MO015360JXBFV, EO000400JXBEU, EO000800JXBFL and EO001600JXBFN Drives				
1357	Online HDD/SSD Flash Component for VMware ESXi - VO000800JWZJP, VO001600JWZJQ, VO003200JWZJR and VO006400JWZJT Drives	CP065943.zip	VO006400JWZJT	HPD5 (C)	HPD5
1358	Online HDD/SSD Flash Component for VMware ESXi - VO000800JWZJP, VO001600JWZJQ, VO003200JWZJR and VO006400JWZJT Drives	CP065943.zip	VO003200JWZJR	HPD5 (C)	HPD5
1359	Online HDD/SSD Flash Component for VMware ESXi - VO000800JWZJP, VO001600JWZJQ, VO003200JWZJR and VO006400JWZJT Drives	CP065943.zip	VO001600JWZJQ	HPD5 (C)	HPD5
1360	Online HDD/SSD Flash Component for VMware ESXi - VO000800JWZJP, VO001600JWZJQ, VO003200JWZJR and VO006400JWZJT Drives	CP065943.zip	VO000800JWZJP	HPD5 (C)	HPD5
1361	Online HDD/SSD Flash Component for VMware ESXi - VO000960JWTBK, VO001920JWTBL, VO003840JWTBN, VO007680JWZBP, MO000400JWZBQ, MO000800JWZBR, MO001600JWZBT, MO003200JWZBU, MO006400JWZCD, EO000400JWZBV, EO000800JWZCA, EO001600JWZCB Drives	CP065950.zip	VO007680JWZBP	HPDB (C)	HPDB
1362	Online HDD/SSD Flash Component for VMware ESXi - VO000960JWTBK, VO001920JWTBL, VO003840JWZBN,	CP065950.zip	MO006400JWZCD	HPDB (C)	HPDB

	VO007680JWBTP, MO000400JWBQ, MO000800JWBTR, MO001600JWBTT, MO003200JWBUB, MO006400JWBTC, EO000400JWBVB, EO000800JWBTC, EO001600JWBTCB Drives				
1363	Online HDD/SSD Flash Component for VMware ESXi - VO000960JWBTK, VO001920JWBTL, VO003840JWBUN, VO007680JWBTP, MO000400JWBQ, MO000800JWBTR, MO001600JWBTT, MO003200JWBUB, MO006400JWBTC, EO000400JWBVB, EO000800JWBTC, EO001600JWBTCB Drives	CP065950.zip	VO003840JWBUN	HPDB (C)	HPDB
1364	Online HDD/SSD Flash Component for VMware ESXi - VO000960JWBTK, VO001920JWBTL, VO003840JWBUN, VO007680JWBTP, MO000400JWBQ, MO000800JWBTR, MO001600JWBTT, MO003200JWBUB, MO006400JWBTC, EO000400JWBVB, EO000800JWBTC, EO001600JWBTCB Drives	CP065950.zip	MO003200JWBUB	HPDB (C)	HPDB
1365	Online HDD/SSD Flash Component for VMware ESXi - VO000960JWBTK, VO001920JWBTL, VO003840JWBUN, VO007680JWBTP, MO000400JWBQ, MO000800JWBTR, MO001600JWBTT, MO003200JWBUB, MO006400JWBTC, EO000400JWBVB, EO000800JWBTC, EO001600JWBTCB Drives	CP065950.zip	EO003200JWBTC	HPDB (C)	HPDB
1366	Online HDD/SSD Flash Component for VMware ESXi - VO000960JWBTK, VO001920JWBTL, VO003840JWBUN,	CP065950.zip	VO001920JWBTL	HPDB (C)	HPDB

	VO007680JWBTP, MO000400JWBQ, MO000800JWBTR, MO001600JWBTT, MO003200JWBUB, MO006400JWBTC, EO000400JWBVB, EO000800JWBTC, EO001600JWBTCB Drives				
1367	Online HDD/SSD Flash Component for VMware ESXi - VO000960JWBTK, VO001920JWBTL, VO003840JWBTN, VO007680JWBTP, MO000400JWBQ, MO000800JWBTR, MO001600JWBTT, MO003200JWBUB, MO006400JWBTC, EO000400JWBVB, EO000800JWBTC, EO001600JWBTCB Drives	CP065950.zip	MO001600JWBTT	HPDB (C)	HPDB
1368	Online HDD/SSD Flash Component for VMware ESXi - VO000960JWBTK, VO001920JWBTL, VO003840JWBTN, VO007680JWBTP, MO000400JWBQ, MO000800JWBTR, MO001600JWBTT, MO003200JWBUB, MO006400JWBTC, EO000400JWBVB, EO000800JWBTC, EO001600JWBTCB Drives	CP065950.zip	EO001600JWBTCB	HPDB (C)	HPDB
1369	Online HDD/SSD Flash Component for VMware ESXi - VO000960JWBTK, VO001920JWBTL, VO003840JWBTN, VO007680JWBTP, MO000400JWBQ, MO000800JWBTR, MO001600JWBTT, MO003200JWBUB, MO006400JWBTC, EO000400JWBVB, EO000800JWBTC, EO001600JWBTCB Drives	CP065950.zip	VO000960JWBTK	HPDB (C)	HPDB
1370	Online HDD/SSD Flash Component for VMware ESXi - VO000960JWBTK, VO001920JWBTL, VO003840JWBTN,	CP065950.zip	MO000800JWBTR	HPDB (C)	HPDB

	VO007680JWBTP, MO000400JWBQ, MO000800JWBTR, MO001600JWBTT, MO003200JWBUB, MO006400JWBTC, EO000400JWBVB, EO000800JWBTC, EO001600JWBTCB Drives				
1371	Online HDD/SSD Flash Component for VMware ESXi - VO000960JWBTK, VO001920JWBTL, VO003840JWBTN, VO007680JWBTP, MO000400JWBQ, MO000800JWBTR, MO001600JWBTT, MO003200JWBUB, MO006400JWBTC, EO000400JWBVB, EO000800JWBTC, EO001600JWBTCB Drives	CP065950.zip	EO000800JWBTC	HPDB (C)	HPDB
1372	Online HDD/SSD Flash Component for VMware ESXi - VO000960JWBTK, VO001920JWBTL, VO003840JWBTN, VO007680JWBTP, MO000400JWBQ, MO000800JWBTR, MO001600JWBTT, MO003200JWBUB, MO006400JWBTC, EO000400JWBVB, EO000800JWBTC, EO001600JWBTCB Drives	CP065950.zip	MO000400JWB Q	HPDB (C)	HPDB
1373	Online HDD/SSD Flash Component for VMware ESXi - VO000960JWBTK, VO001920JWBTL, VO003840JWBTN, VO007680JWBTP, MO000400JWBQ, MO000800JWBTR, MO001600JWBTT, MO003200JWBUB, MO006400JWBTC, EO000400JWBVB, EO000800JWBTC, EO001600JWBTCB Drives	CP065950.zip	EO000400JWBVB	HPDB (C)	HPDB
1374	Online HDD/SSD Flash Component for VMware ESXi - VO000960JWBTK, VO001920JWBTL, VO003840JWBTN,	CP065950.zip	MO001920JWW WV	HPDB (C)	HPDB

	VO007680JWTPB, MO000400JWTBQ, MO000800JWTRB, MO001600JWBTB, MO003200JWBTU, MO006400JWTCB, EO000400JWTVB, EO000800JWTCB, EO001600JWTCB Drives				
1375	Online HDD/SSD Flash Component for VMware ESXi - VO000960JWZJF, VO001920JWZJH, VO003840JWZJK, VO007680JWZJL and VO015360JWZJN Drives	CP065944.zip	VO015360JWZJN	HPD5 (C)	HPD5
1376	Online HDD/SSD Flash Component for VMware ESXi - VO000960JWZJF, VO001920JWZJH, VO003840JWZJK, VO007680JWZJL and VO015360JWZJN Drives	CP065944.zip	VO007680JWZJL	HPD5 (C)	HPD5
1377	Online HDD/SSD Flash Component for VMware ESXi - VO000960JWZJF, VO001920JWZJH, VO003840JWZJK, VO007680JWZJL and VO015360JWZJN Drives	CP065944.zip	VO003840JWZJK	HPD5 (C)	HPD5
1378	Online HDD/SSD Flash Component for VMware ESXi - VO000960JWZJF, VO001920JWZJH, VO003840JWZJK, VO007680JWZJL and VO015360JWZJN Drives	CP065944.zip	VO001920JWZJH	HPD5 (C)	HPD5
1379	Online HDD/SSD Flash Component for VMware ESXi - VO000960JWZJF, VO001920JWZJH, VO003840JWZJK, VO007680JWZJL and VO015360JWZJN Drives	CP065944.zip	VO000960JWZJF	HPD5 (C)	HPD5
1380	Online HDD/SSD Flash Component for VMware ESXi - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives	CP065957.zip	VO007680RWUFC	HPD8 (C)	HPD8
1381	Online HDD/SSD Flash Component for VMware ESXi	CP065957.zip	VO003840RWUFF	HPD8 (C)	HPD8

	- VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives				
1382	Online HDD/SSD Flash Component for VMware ESXi - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives	CP065957.zip	VO003840RWUFB	HPD8 (C)	HPD8
1383	Online HDD/SSD Flash Component for VMware ESXi - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives	CP065957.zip	VO001920RWUFE	HPD8 (C)	HPD8
1384	Online HDD/SSD Flash Component for VMware ESXi - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives	CP065957.zip	VO001920RWUFA	HPD8 (C)	HPD8
1385	Online HDD/SSD Flash Component for VMware ESXi - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives	CP065957.zip	VO000960RWUFD	HPD8 (C)	HPD8
1386	Online HDD/SSD Flash Component for VMware ESXi - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives	CP065957.zip	VO000960RWUEV	HPD8 (C)	HPD8
1387	Online HDD/SSD Flash Component for VMware ESXi - VO003840XZCLT,	CP065962.zip	VO003840XZCLT	HPD3 (B)	HPD3

	VO007680XZCMB, MO000800XZCLQ and MO001600XZCLV Drives				
1388	Online HDD/SSD Flash Component for VMware ESXi - VO003840XZCLT, VO007680XZCMB, MO000800XZCLQ and MO001600XZCLV Drives	CP065962.zip	MO001600XZCLV	HPD3 (B)	HPD3
1389	Online HDD/SSD Flash Component for VMware ESXi - VO003840XZCLT, VO007680XZCMB, MO000800XZCLQ and MO001600XZCLV Drives	CP065962.zip	MO000800XZCLQ	HPD3 (B)	HPD3
1390	Online HDD/SSD Flash Component for VMware ESXi - VO003840XZCLT, VO007680XZCMB, MO000800XZCLQ and MO001600XZCLV Drives	CP065962.zip	VO007680XZCMB	HPD3 (B)	HPD3
1391	Online HDD/SSD Flash Component for VMware ESXi -MB014000JWRTH, MB012000JWRTF and MB010000JWRTE Drives	CP065999.zip	MB014000JWRTH	HPD2 (J)	HPD2
1392	Online HDD/SSD Flash Component for VMware ESXi -MB014000JWRTH, MB012000JWRTF and MB010000JWRTE Drives	CP065999.zip	MB012000JWRTF	HPD2 (J)	HPD2
1393	Online HDD/SSD Flash Component for VMware ESXi -MB014000JWRTH, MB012000JWRTF and MB010000JWRTE Drives	CP065999.zip	MB010000JWRTE	HPD2 (J)	HPD2
1394	Online HDD/SSD Flash Component for Windows (x64) - EG000300JWSJP, EG000600JWJNH and EG001200JWJNK Drives	cp065026.exe	EG001200JWJNK	HPD5 (E)	HPD5
1395	Online HDD/SSD Flash Component for Windows (x64) - EG000300JWSJP, EG000600JWJNH and EG001200JWJNK Drives	cp065026.exe	EG000600JWJNH	HPD5 (E)	HPD5
1396	Online HDD/SSD Flash Component for Windows (x64) - EG000300JWSJP, EG000600JWJNH and EG001200JWJNK Drives	cp065026.exe	EG000300JWSJP	HPD5 (E)	HPD5
1397	Online HDD/SSD Flash Component for Windows (x64) - EG000600JWJNP, EG001200JWJNQ,	cp065043.exe	EG001200MXJQU	HPD8 (C)	HPD8

	EG000600JXLVV, EG001200JXLWA and EG001200MXJQU Drives				
1398	Online HDD/SSD Flash Component for Windows (x64) - EG000600JWJNP, EG001200JWJNQ, EG000600JXLVV, EG001200JXLWA and EG001200MXJQU Drives	cp065043.exe	EG000600JXLVV	HPD8 (C)	HPD8
1399	Online HDD/SSD Flash Component for Windows (x64) - EG000600JWJNP, EG001200JWJNQ, EG000600JXLVV, EG001200JXLWA and EG001200MXJQU Drives	cp065043.exe	EG001200JXLWA	HPD8 (C)	HPD8
1400	Online HDD/SSD Flash Component for Windows (x64) - EG000600JWJNP, EG001200JWJNQ, EG000600JXLVV, EG001200JXLWA and EG001200MXJQU Drives	cp065043.exe	EG000600JWJNP	HPD8 (C)	HPD8
1401	Online HDD/SSD Flash Component for Windows (x64) - EG000600JWJNP, EG001200JWJNQ, EG000600JXLVV, EG001200JXLWA and EG001200MXJQU Drives	cp065043.exe	EG001200JWJNQ	HPD8 (C)	HPD8
1402	Online HDD/SSD Flash Component for Windows (x64) - EG001800JWJNL and EG002400JWJNN Drives	cp065025.exe	EG002400JWJNN	HPD5 (E)	HPD5
1403	Online HDD/SSD Flash Component for Windows (x64) - EG001800JWJNL and EG002400JWJNN Drives	cp065025.exe	EG001800JWJNL	HPD5 (E)	HPD5
1404	Online HDD/SSD Flash Component for Windows (x64) - EG001800JWJNR, EG002400JWJNT, EG001800JXLWB, EG002400JXLWC and EG002400MXJQT Drives	cp065045.exe	EG001800JWJNR	HPDA (D)	HPDA
1405	Online HDD/SSD Flash Component for Windows (x64) - EG001800JWJNR, EG002400JWJNT, EG001800JXLWB, EG002400JXLWC and EG002400MXJQT Drives	cp065045.exe	EG002400JWJNT	HPDA (D)	HPDA
1406	Online HDD/SSD Flash Component for Windows	cp065045.exe	EG002400MXJQT	HPDA (D)	HPDA

	(x64) - EG001800JWJNR, EG002400JWJNT, EG001800JXLWB, EG002400JXLWC and EG002400MXJQT Drives				
1407	Online HDD/SSD Flash Component for Windows (x64) - EG001800JWJNR, EG002400JWJNT, EG001800JXLWB, EG002400JXLWC and EG002400MXJQT Drives	cp065045.exe	EG001800JXLWB	HPDA (D)	HPDA
1408	Online HDD/SSD Flash Component for Windows (x64) - EG001800JWJNR, EG002400JWJNT, EG001800JXLWB, EG002400JXLWC and EG002400MXJQT Drives	cp065045.exe	EG002400JXLWC	HPDA (D)	HPDA
1409	Online HDD/SSD Flash Component for Windows (x64) - EH000600JWCPCF and EH000900JWCPCP Drives	cp064865.exe	EH000600JWCPCF	HPDD (B)	HPDD
1410	Online HDD/SSD Flash Component for Windows (x64) - EH000600JWCPCF and EH000900JWCPCP Drives	cp064865.exe	EH000900JWCPCP	HPDD (B)	HPDD
1411	Online HDD/SSD Flash Component for Windows (x64) - EH000900JWHPK and EH000600JWHPH Drives	cp065028.exe	EH000600JWHPH	HPD8 (D)	HPD8
1412	Online HDD/SSD Flash Component for Windows (x64) - EH000900JWHPK and EH000600JWHPH Drives	cp065028.exe	EH000900JWHPK	HPD8 (D)	HPD8
1413	Online HDD/SSD Flash Component for Windows (x64) - EH000900JWHPP, EH000600JWHPN and EH000300JWHPL Drives	cp065027.exe	EH000300JWHPL	HPD8 (D)	HPD8
1414	Online HDD/SSD Flash Component for Windows (x64) - EH000900JWHPP, EH000600JWHPN and EH000300JWHPL Drives	cp065027.exe	EH000600JWHPN	HPD8 (D)	HPD8
1415	Online HDD/SSD Flash Component for Windows (x64) - EH000900JWHPP, EH000600JWHPN and EH000300JWHPL Drives	cp065027.exe	EH000900JWHPP	HPD8 (D)	HPD8
1416	Online HDD/SSD Flash Component for Windows (x64) - EO000400JWDKP, EO000800JWDKQ, EO001600JWDKR,	cp065037.exe	EO001600JWDKR	HPD3 (B)	HPD3

	MO000400JWDKU, MO000800JWDKV, MO001600JWDLA and MO003200JWDLB Drives				
1417	Online HDD/SSD Flash Component for Windows (x64) - EO000400JWDKP, EO000800JWDKQ, EO001600JWDKR, MO000400JWDKU, MO000800JWDKV, MO001600JWDLA and MO003200JWDLB Drives	cp065037.exe	MO001600JWDLA	HPD3 (B)	HPD3
1418	Online HDD/SSD Flash Component for Windows (x64) - EO000400JWDKP, EO000800JWDKQ, EO001600JWDKR, MO000400JWDKU, MO000800JWDKV, MO001600JWDLA and MO003200JWDLB Drives	cp065037.exe	MO003200JWDLB	HPD3 (B)	HPD3
1419	Online HDD/SSD Flash Component for Windows (x64) - EO000400JWDKP, EO000800JWDKQ, EO001600JWDKR, MO000400JWDKU, MO000800JWDKV, MO001600JWDLA and MO003200JWDLB Drives	cp065037.exe	EO000400JWDKP	HPD3 (B)	HPD3
1420	Online HDD/SSD Flash Component for Windows (x64) - EO000400JWDKP, EO000800JWDKQ, EO001600JWDKR, MO000400JWDKU, MO000800JWDKV, MO001600JWDLA and MO003200JWDLB Drives	cp065037.exe	MO000400JWDK U	HPD3 (B)	HPD3
1421	Online HDD/SSD Flash Component for Windows (x64) - EO000400JWDKP, EO000800JWDKQ, EO001600JWDKR, MO000400JWDKU, MO000800JWDKV, MO001600JWDLA and MO003200JWDLB Drives	cp065037.exe	EO000800JWDKQ	HPD3 (B)	HPD3
1422	Online HDD/SSD Flash Component for Windows (x64) - EO000400JWDKP, EO000800JWDKQ, EO001600JWDKR, MO000400JWDKU,	cp065037.exe	MO000800JWDK V	HPD3 (B)	HPD3

	MO000800JWDKV, MO001600JWDLA and MO003200JWDLB Drives				
1423	Online HDD/SSD Flash Component for Windows (x64) - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCCD, MO006400PXDCE, VO000960PXDDBN, VO001920PXDDBR, VO003840PXDDBT, VO007680PXDDBU and VO015300PXDDBV Drives	cp065078.exe	EO000800PXDCK	HPD4 (B)	HPD4
1424	Online HDD/SSD Flash Component for Windows (x64) - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCCD, MO006400PXDCE, VO000960PXDDBN, VO001920PXDDBR, VO003840PXDDBT, VO007680PXDDBU and VO015300PXDDBV Drives	cp065078.exe	MO000800PXDBP	HPD4 (B)	HPD4
1425	Online HDD/SSD Flash Component for Windows (x64) - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCCD, MO006400PXDCE, VO000960PXDDBN, VO001920PXDDBR, VO003840PXDDBT, VO007680PXDDBU and VO015300PXDDBV Drives	cp065078.exe	EO000400PXDBQ	HPD4 (B)	HPD4
1426	Online HDD/SSD Flash Component for Windows (x64) - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCCD, MO006400PXDCE, VO000960PXDDBN, VO001920PXDDBR,	cp065078.exe	EO001600PXDCH	HPD4 (B)	HPD4

	VO003840PXDBT, VO007680PXDBU and VO015300PXDBV Drives				
1427	Online HDD/SSD Flash Component for Windows (x64) - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCD, MO003200PXDCE, MO006400PXDCE, VO000960PXDDB, VO001920PXDDB, VO003840PXDBT, VO007680PXDBU and VO015300PXDBV Drives	cp065078.exe	MO001600PXDCD	HPD4 (B)	HPD4
1428	Online HDD/SSD Flash Component for Windows (x64) - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCD, MO003200PXDCE, MO006400PXDCE, VO000960PXDDB, VO001920PXDDB, VO003840PXDBT, VO007680PXDBU and VO015300PXDBV Drives	cp065078.exe	MO006400PXDCE	HPD4 (B)	HPD4
1429	Online HDD/SSD Flash Component for Windows (x64) - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCD, MO003200PXDCE, MO006400PXDCE, VO000960PXDDB, VO001920PXDDB, VO003840PXDBT, VO007680PXDBU and VO015300PXDBV Drives	cp065078.exe	VO007680PXDBU	HPD4 (B)	HPD4
1430	Online HDD/SSD Flash Component for Windows (x64) - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCD, MO003200PXDCE, MO006400PXDCE, VO000960PXDDB, VO001920PXDDB,	cp065078.exe	VO001920PXDDB	HPD4 (B)	HPD4

	VO003840PXDBT, VO007680PXDBU and VO015300PXDBV Drives				
1431	Online HDD/SSD Flash Component for Windows (x64) - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCC, MO006400PXDCE, VO000960PXDBN, VO001920PXDDBR, VO003840PXDBT, VO007680PXDBU and VO015300PXDBV Drives	cp065078.exe	VO015300PXDBV	HPD4 (B)	HPD4
1432	Online HDD/SSD Flash Component for Windows (x64) - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCC, MO006400PXDCE, VO000960PXDBN, VO001920PXDDBR, VO003840PXDBT, VO007680PXDBU and VO015300PXDBV Drives	cp065078.exe	MO003200PXDCC	HPD4 (B)	HPD4
1433	Online HDD/SSD Flash Component for Windows (x64) - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCC, MO006400PXDCE, VO000960PXDBN, VO001920PXDDBR, VO003840PXDBT, VO007680PXDBU and VO015300PXDBV Drives	cp065078.exe	VO000960PXDBN	HPD4 (B)	HPD4
1434	Online HDD/SSD Flash Component for Windows (x64) - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCC, MO006400PXDCE, VO000960PXDBN, VO001920PXDDBR,	cp065078.exe	VO003840PXDBT	HPD4 (B)	HPD4

	VO003840PXDBT, VO007680PXDBU and VO015300PXDBV Drives				
1435	Online HDD/SSD Flash Component for Windows (x64) - MB002000JWFVN and MB004000JWFVP Drives	cp065058.exe	MB002000JWFVN	HPD4 (G)	HPD4
1436	Online HDD/SSD Flash Component for Windows (x64) - MB002000JWFVN and MB004000JWFVP Drives	cp065058.exe	MB004000JWFVP	HPD4 (G)	HPD4
1437	Online HDD/SSD Flash Component for Windows (x64) - MB002000JYDNE and MB004000JYDPB Drives	cp065085.exe	MB004000JYDPB	HPD4 (B)	HPD4
1438	Online HDD/SSD Flash Component for Windows (x64) - MB002000JYDNE and MB004000JYDPB Drives	cp065085.exe	MB002000JYDNE	HPD4 (B)	HPD4
1439	Online HDD/SSD Flash Component for Windows (x64) - MB004000JWFKV and MB006000JWFLV Drives	cp065049.exe	MB004000JWFKV	HPD4 (F)	HPD4
1440	Online HDD/SSD Flash Component for Windows (x64) - MB004000JWFKV and MB006000JWFLV Drives	cp065049.exe	MB006000JWFLV	HPD4 (F)	HPD4
1441	Online HDD/SSD Flash Component for Windows (x64) - MB004000JWKGU Drive	cp065047.exe	MB004000JWKGU	HPD2 (F)	HPD2
1442	Online HDD/SSD Flash Component for Windows (x64) - MB004000JWWQB and MB002000JWWQA Drives	cp065081.exe	MB004000JWWQB B	HPD8 (D)	HPD8
1443	Online HDD/SSD Flash Component for Windows (x64) - MB004000JWWQB and MB002000JWWQA Drives	cp065081.exe	MB002000JWWQB A	HPD8 (D)	HPD8
1444	Online HDD/SSD Flash Component for Windows (x64) - MB006000JWKGU Drive	cp065038.exe	MB006000JWKGU	HPD2 (F)	HPD2
1445	Online HDD/SSD Flash Component for Windows (x64) - MB006000JYDNF, MB008000JYDPC and MB010000JYDNH Drives	cp065084.exe	MB006000JYDNF	HPD3 (B)	HPD3
1446	Online HDD/SSD Flash Component for Windows (x64) - MB006000JYDNF, MB008000JYDPC and MB010000JYDNH Drives	cp065084.exe	MB008000JYDPC	HPD3 (B)	HPD3

1447	Online HDD/SSD Flash Component for Windows (x64) - MB006000JYDNF, MB008000JYDPC and MB010000JYDNH Drives	cp065084.exe	MB010000JYDNH	HPD3 (B)	HPD3
1448	Online HDD/SSD Flash Component for Windows (x64) - MB008000JWJRQ and MB006000JWJRP Drives	cp065033.exe	MB008000JWJRQ	HPD9 (G)	HPD9
1449	Online HDD/SSD Flash Component for Windows (x64) - MB008000JWJRQ and MB006000JWJRP Drives	cp065033.exe	MB006000JWJRP	HPD9 (G)	HPD9
1450	Online HDD/SSD Flash Component for Windows (x64) - MB008000JWRTD Drive	cp065097.exe	MB008000JWRTD	HPD2 (G)	HPD2
1451	Online HDD/SSD Flash Component for Windows (x64) - MB008000JWWQP and MB006000JWWQN Drives	cp065080.exe	MB006000JWWQ N	HPD8 (D)	HPD8
1452	Online HDD/SSD Flash Component for Windows (x64) - MB008000JWWQP and MB006000JWWQN Drives	cp065080.exe	MB008000JWWQ P	HPD8 (D)	HPD8
1453	Online HDD/SSD Flash Component for Windows (x64) - MB010000JWZHA, MB012000JWZHB, MB014000JWZHC and MB016000JWZHE Drives	cp065082.exe	MB010000JWZHA	HPD4 (D)	HPD4
1454	Online HDD/SSD Flash Component for Windows (x64) - MB010000JWZHA, MB012000JWZHB, MB014000JWZHC and MB016000JWZHE Drives	cp065082.exe	MB012000JWZHB	HPD4 (D)	HPD4
1455	Online HDD/SSD Flash Component for Windows (x64) - MB010000JWZHA, MB012000JWZHB, MB014000JWZHC and MB016000JWZHE Drives	cp065082.exe	MB014000JWZHC	HPD4 (D)	HPD4
1456	Online HDD/SSD Flash Component for Windows (x64) - MB010000JWZHA, MB012000JWZHB, MB014000JWZHC and MB016000JWZHE Drives	cp065082.exe	MB016000JWZHE	HPD4 (D)	HPD4
1457	Online HDD/SSD Flash Component for Windows (x64) - MB010000JYDKK, MB012000JYCJF,	cp063922.exe	MB010000JYDKK	HPD3 (C)	HPD3

	MB014000JYCJV, MB016000JYDKL and MB018000JYDKN Drives				
1458	Online HDD/SSD Flash Component for Windows (x64) - MB010000JYDKK, MB012000JYCJF, MB014000JYCJV, MB016000JYDKL and MB018000JYDKN Drives	cp063922.exe	MB012000JYCJF	HPD3 (C)	HPD3
1459	Online HDD/SSD Flash Component for Windows (x64) - MB010000JYDKK, MB012000JYCJF, MB014000JYCJV, MB016000JYDKL and MB018000JYDKN Drives	cp063922.exe	MB014000JYCJV	HPD3 (C)	HPD3
1460	Online HDD/SSD Flash Component for Windows (x64) - MB010000JYDKK, MB012000JYCJF, MB014000JYCJV, MB016000JYDKL and MB018000JYDKN Drives	cp063922.exe	MB016000JYDKL	HPD3 (C)	HPD3
1461	Online HDD/SSD Flash Component for Windows (x64) - MB010000JYDKK, MB012000JYCJF, MB014000JYCJV, MB016000JYDKL and MB018000JYDKN Drives	cp063922.exe	MB018000JYDKN	HPD3 (C)	HPD3
1462	Online HDD/SSD Flash Component for Windows (x64) - MB012000JWDFD Drive	cp065093.exe	MB012000JWDFD	HPD4 (C)	HPD4
1463	Online HDD/SSD Flash Component for Windows (x64) - MB012000JZYVN, MB014000JZYVP, MB016000JZYVQ and MB018000JYCLK Drives	cp065024.exe	MB012000JZYVN	HPD4 (C)	HPD4
1464	Online HDD/SSD Flash Component for Windows (x64) - MB012000JZYVN, MB014000JZYVP, MB016000JZYVQ and MB018000JYCLK Drives	cp065024.exe	MB014000JZYVP	HPD4 (C)	HPD4
1465	Online HDD/SSD Flash Component for Windows (x64) - MB012000JZYVN, MB014000JZYVP, MB016000JZYVQ and MB018000JYCLK Drives	cp065024.exe	MB016000JZYVQ	HPD4 (C)	HPD4
1466	Online HDD/SSD Flash Component for Windows	cp065024.exe	MB018000JYCLK	HPD4 (C)	HPD4

	(x64) - MB012000JZYVN, MB014000JZYVP, MB016000JZYVQ and MB018000JYCLK Drives				
1467	Online HDD/SSD Flash Component for Windows (x64) - MB014000JWRTH, MB012000JWRTF and MB010000JWRTE Drives	cp065054.exe	MB014000JWRTH	HPD2 (I)	HPD2
1468	Online HDD/SSD Flash Component for Windows (x64) - MB014000JWRTH, MB012000JWRTF and MB010000JWRTE Drives	cp065054.exe	MB012000JWRTF	HPD2 (I)	HPD2
1469	Online HDD/SSD Flash Component for Windows (x64) - MB014000JWRTH, MB012000JWRTF and MB010000JWRTE Drives	cp065054.exe	MB010000JWRTE	HPD2 (I)	HPD2
1470	Online HDD/SSD Flash Component for Windows (x64) - MB014000JWTFD and MB012000JWTFD Drives	cp065032.exe	MB014000JWTFD	HPD9 (B)	HPD9
1471	Online HDD/SSD Flash Component for Windows (x64) - MB014000JWTFD and MB012000JWTFD Drives	cp065032.exe	MB012000JWTFD	HPD9 (B)	HPD9
1472	Online HDD/SSD Flash Component for Windows (x64) - MB014000JUWDB Drive	cp065018.exe	MB014000JUWDB	HPD4 (C)	HPD4
1473	Online HDD/SSD Flash Component for Windows (x64) - MB014000JXUCC Drive	cp065036.exe	MB014000JXUCC	HPD4 (C)	HPD4
1474	Online HDD/SSD Flash Component for Windows (x64) - MB016000JWXKH Drive	cp065031.exe	MB016000JWXKH	HPDC (B)	HPDC
1475	Online HDD/SSD Flash Component for Windows (x64) - MB016000JXLBA and MB018000JXLAU Drives	cp065020.exe	MB016000JXLBA	HPD3 (C)	HPD3
1476	Online HDD/SSD Flash Component for Windows (x64) - MB016000JXLBA and MB018000JXLAU Drives	cp065020.exe	MB018000JXLAU	HPD3 (C)	HPD3
1477	Online HDD/SSD Flash Component for Windows (x64) - MB018000JXMTH and MB020000JXMTP Drives	cp065087.exe	MB020000JXMTP	HPD3 (B)	HPD3
1478	Online HDD/SSD Flash Component for Windows (x64) - MB018000JXMTH and MB020000JXMTP Drives	cp065087.exe	MB018000JXMTH	HPD3 (B)	HPD3
1479	Online HDD/SSD Flash	cp065055.exe	MB2000JFDSL	HPD4 (K)	HPD4

	Component for Windows (x64) - MB2000JFDSL and MB4000JFDSN Drives				
1480	Online HDD/SSD Flash Component for Windows (x64) - MB2000JFDSL and MB4000JFDSN Drives	cp065055.exe	MB4000JFDSN	HPD4 (K)	HPD4
1481	Online HDD/SSD Flash Component for Windows (x64) - MM1000JEFRB and MM2000JEFRC Drives	cp065063.exe	MM1000JEFRB	HPDA (E)	HPDA
1482	Online HDD/SSD Flash Component for Windows (x64) - MM1000JEFRB and MM2000JEFRC Drives	cp065063.exe	MM2000JEFRC	HPDA (E)	HPDA
1483	Online HDD/SSD Flash Component for Windows (x64) - MM1000JFJTH Drive	cp065064.exe	MM1000JFJTH	HPD5 (E)	HPD5
1484	Online HDD/SSD Flash Component for Windows (x64) - MO000400JWUFT, MO000800JWUFU, MO001600JWUFV, MO003200JWUGA, MO006400JWUGB, EO000400JWUGC, EO000800JWUGD and EO001600JWUGE Drives	cp065052.exe	MO006400JWUGB	HPD4 (B)	HPD4
1485	Online HDD/SSD Flash Component for Windows (x64) - MO000400JWUFT, MO000800JWUFU, MO001600JWUFV, MO003200JWUGA, MO006400JWUGB, EO000400JWUGC, EO000800JWUGD and EO001600JWUGE Drives	cp065052.exe	MO003200JWUGA	HPD4 (B)	HPD4
1486	Online HDD/SSD Flash Component for Windows (x64) - MO000400JWUFT, MO000800JWUFU, MO001600JWUFV, MO003200JWUGA, MO006400JWUGB, EO000400JWUGC, EO000800JWUGD and EO001600JWUGE Drives	cp065052.exe	MO001600JWUFV	HPD4 (B)	HPD4
1487	Online HDD/SSD Flash Component for Windows (x64) - MO000400JWUFT, MO000800JWUFU, MO001600JWUFV, MO003200JWUGA, MO006400JWUGB,	cp065052.exe	EO001600JWUGE	HPD4 (B)	HPD4

	EO000400JWUGC, EO000800JWUGD and EO001600JWUGE Drives				
1488	Online HDD/SSD Flash Component for Windows (x64) - MO000400JWUFT, MO000800JWUFU, MO001600JWUFV, MO003200JWUGA, MO006400JWUGB, EO000400JWUGC, EO000800JWUGD and EO001600JWUGE Drives	cp065052.exe	MO000800JWUF U	HPD4 (B)	HPD4
1489	Online HDD/SSD Flash Component for Windows (x64) - MO000400JWUFT, MO000800JWUFU, MO001600JWUFV, MO003200JWUGA, MO006400JWUGB, EO000400JWUGC, EO000800JWUGD and EO001600JWUGE Drives	cp065052.exe	EO000800JWUGD	HPD4 (B)	HPD4
1490	Online HDD/SSD Flash Component for Windows (x64) - MO000400JWUFT, MO000800JWUFU, MO001600JWUFV, MO003200JWUGA, MO006400JWUGB, EO000400JWUGC, EO000800JWUGD and EO001600JWUGE Drives	cp065052.exe	MO000400JWUFT	HPD4 (B)	HPD4
1491	Online HDD/SSD Flash Component for Windows (x64) - MO000400JWUFT, MO000800JWUFU, MO001600JWUFV, MO003200JWUGA, MO006400JWUGB, EO000400JWUGC, EO000800JWUGD and EO001600JWUGE Drives	cp065052.exe	EO000400JWUGC	HPD4 (B)	HPD4
1492	Online HDD/SSD Flash Component for Windows (x64) - MO000800JXBEB, MO001600JXBFP, MO003200JXBFQ, MO006400JXBFR, MO000960JXBFA, MO001920JXBFT, MO003840JXBFU, MO007680JXBGA, MO015360JXBFV, EO000400JXBEU, EO000800JXBFL and	cp064916.exe	MO000800JXBEB	HPD2	HPD2

	EO001600JXBFN Drives				
1493	Online HDD/SSD Flash Component for Windows (x64) - MO000800JXBEV, MO001600JXBFP, MO003200JXBFQ, MO006400JXBFR, MO000960JXBFA, MO001920JXBFT, MO003840JXBFU, MO007680JXBGA, MO015360JXBFV, EO000400JXBEU, EO000800JXBFL and EO001600JXBFN Drives	cp064916.exe	MO001600JXBFP	HPD2	HPD2
1494	Online HDD/SSD Flash Component for Windows (x64) - MO000800JXBEV, MO001600JXBFP, MO003200JXBFQ, MO006400JXBFR, MO000960JXBFA, MO001920JXBFT, MO003840JXBFU, MO007680JXBGA, MO015360JXBFV, EO000400JXBEU, EO000800JXBFL and EO001600JXBFN Drives	cp064916.exe	MO003200JXBFQ	HPD2	HPD2
1495	Online HDD/SSD Flash Component for Windows (x64) - MO000800JXBEV, MO001600JXBFP, MO003200JXBFQ, MO006400JXBFR, MO000960JXBFA, MO001920JXBFT, MO003840JXBFU, MO007680JXBGA, MO015360JXBFV, EO000400JXBEU, EO000800JXBFL and EO001600JXBFN Drives	cp064916.exe	MO006400JXBFR	HPD2	HPD2
1496	Online HDD/SSD Flash Component for Windows (x64) - MO000800JXBEV, MO001600JXBFP, MO003200JXBFQ, MO006400JXBFR, MO000960JXBFA, MO001920JXBFT, MO003840JXBFU, MO007680JXBGA, MO015360JXBFV, EO000400JXBEU, EO000800JXBFL and	cp064916.exe	MO000960JXBFA	HPD2	HPD2

	EO001600JXBFN Drives				
1497	Online HDD/SSD Flash Component for Windows (x64) - MO000800JXBEV, MO001600JXBFP, MO003200JXBFQ, MO006400JXBFR, MO000960JXBFA, MO001920JXBFT, MO003840JXBFU, MO007680JXBGA, MO015360JXBFV, EO000400JXBEU, EO000800JXBFL and EO001600JXBFN Drives	cp064916.exe	MO001920JXBFT	HPD2	HPD2
1498	Online HDD/SSD Flash Component for Windows (x64) - MO000800JXBEV, MO001600JXBFP, MO003200JXBFQ, MO006400JXBFR, MO000960JXBFA, MO001920JXBFT, MO003840JXBFU, MO007680JXBGA, MO015360JXBFV, EO000400JXBEU, EO000800JXBFL and EO001600JXBFN Drives	cp064916.exe	MO003840JXBFU	HPD2	HPD2
1499	Online HDD/SSD Flash Component for Windows (x64) - MO000800JXBEV, MO001600JXBFP, MO003200JXBFQ, MO006400JXBFR, MO000960JXBFA, MO001920JXBFT, MO003840JXBFU, MO007680JXBGA, MO015360JXBFV, EO000400JXBEU, EO000800JXBFL and EO001600JXBFN Drives	cp064916.exe	EO000400JXBEU	HPD2	HPD2
1500	Online HDD/SSD Flash Component for Windows (x64) - MO000800JXBEV, MO001600JXBFP, MO003200JXBFQ, MO006400JXBFR, MO000960JXBFA, MO001920JXBFT, MO003840JXBFU, MO007680JXBGA, MO015360JXBFV, EO000400JXBEU, EO000800JXBFL and	cp064916.exe	EO000800JXBFL	HPD2	HPD2

	EO001600JXBFN Drives				
1501	Online HDD/SSD Flash Component for Windows (x64) - MO000800JXBEV, MO001600JXBFP, MO003200JXBFQ, MO006400JXBFR, MO000960JXBFA, MO001920JXBFT, MO003840JXBFU, MO007680JXBGA, MO015360JXBFV, EO000400JXBEU, EO000800JXBFL and EO001600JXBFN Drives	cp064916.exe	EO001600JXBFN	HPD2	HPD2
1502	Online HDD/SSD Flash Component for Windows (x64) - MO000800JXBEV, MO001600JXBFP, MO003200JXBFQ, MO006400JXBFR, MO000960JXBFA, MO001920JXBFT, MO003840JXBFU, MO007680JXBGA, MO015360JXBFV, EO000400JXBEU, EO000800JXBFL and EO001600JXBFN Drives	cp064916.exe	MO015360JXBFV	HPD2	HPD2
1503	Online HDD/SSD Flash Component for Windows (x64) - MO000800JXBEV, MO001600JXBFP, MO003200JXBFQ, MO006400JXBFR, MO000960JXBFA, MO001920JXBFT, MO003840JXBFU, MO007680JXBGA, MO015360JXBFV, EO000400JXBEU, EO000800JXBFL and EO001600JXBFN Drives	cp064916.exe	MO007680JXBGA	HPD2	HPD2
1504	Online HDD/SSD Flash Component for Windows (x64) - VO000800JWZJP, VO001600JWZJQ, VO003200JWZJR and VO006400JWZJT Drives	cp065065.exe	VO006400JWZJT	HPD5 (C)	HPD5
1505	Online HDD/SSD Flash Component for Windows (x64) - VO000800JWZJP, VO001600JWZJQ, VO003200JWZJR and VO006400JWZJT Drives	cp065065.exe	VO003200JWZJR	HPD5 (C)	HPD5

1506	Online HDD/SSD Flash Component for Windows (x64) - VO000800JWZJP, VO001600JWZJQ, VO003200JWZJR and VO006400JWZJT Drives	cp065065.exe	VO001600JWZJQ	HPD5 (C)	HPD5
1507	Online HDD/SSD Flash Component for Windows (x64) - VO000800JWZJP, VO001600JWZJQ, VO003200JWZJR and VO006400JWZJT Drives	cp065065.exe	VO000800JWZJP	HPD5 (C)	HPD5
1508	Online HDD/SSD Flash Component for Windows (x64) - VO000960JWTBK, VO001920JWTLB, VO003840JWTLBN, VO007680JWTLBP, MO000400JWTLBQ, MO000800JWTLBR, MO001600JWTLBT, MO003200JWTLBU, MO006400JWTLCD, EO000400JWTLBV, EO000800JWTLCA and EO001600JWTLCB Drives	cp065076.exe	VO007680JWTLBP	HPDB (C)	HPDB
1509	Online HDD/SSD Flash Component for Windows (x64) - VO000960JWTBK, VO001920JWTLB, VO003840JWTLBN, VO007680JWTLBP, MO000400JWTLBQ, MO000800JWTLBR, MO001600JWTLBT, MO003200JWTLBU, MO006400JWTLCD, EO000400JWTLBV, EO000800JWTLCA and EO001600JWTLCB Drives	cp065076.exe	MO006400JWTLCD	HPDB (C)	HPDB
1510	Online HDD/SSD Flash Component for Windows (x64) - VO000960JWTBK, VO001920JWTLB, VO003840JWTLBN, VO007680JWTLBP, MO000400JWTLBQ, MO000800JWTLBR, MO001600JWTLBT, MO003200JWTLBU, MO006400JWTLCD, EO000400JWTLBV, EO000800JWTLCA and EO001600JWTLCB Drives	cp065076.exe	VO003840JWTLBN	HPDB (C)	HPDB
1511	Online HDD/SSD Flash Component for Windows	cp065076.exe	MO003200JWTLBU	HPDB (C)	HPDB

	(x64) - VO000960JWTKB, VO001920JWTKL, VO003840JWTKN, VO007680JWTKP, MO000400JWTKQ, MO000800JWTKR, MO001600JWTKT, MO003200JWTKU, MO006400JWTKD, EO000400JWTKV, EO000800JWTKA and EO001600JWTKC Drives				
1512	Online HDD/SSD Flash Component for Windows (x64) - VO000960JWTKB, VO001920JWTKL, VO003840JWTKN, VO007680JWTKP, MO000400JWTKQ, MO000800JWTKR, MO001600JWTKT, MO003200JWTKU, MO006400JWTKD, EO000400JWTKV, EO000800JWTKA and EO001600JWTKC Drives	cp065076.exe	EO003200JWTKC	HPDB (C)	HPDB
1513	Online HDD/SSD Flash Component for Windows (x64) - VO000960JWTKB, VO001920JWTKL, VO003840JWTKN, VO007680JWTKP, MO000400JWTKQ, MO000800JWTKR, MO001600JWTKT, MO003200JWTKU, MO006400JWTKD, EO000400JWTKV, EO000800JWTKA and EO001600JWTKC Drives	cp065076.exe	VO001920JWTKL	HPDB (C)	HPDB
1514	Online HDD/SSD Flash Component for Windows (x64) - VO000960JWTKB, VO001920JWTKL, VO003840JWTKN, VO007680JWTKP, MO000400JWTKQ, MO000800JWTKR, MO001600JWTKT, MO003200JWTKU, MO006400JWTKD, EO000400JWTKV, EO000800JWTKA and EO001600JWTKC Drives	cp065076.exe	MO001600JWTKT	HPDB (C)	HPDB
1515	Online HDD/SSD Flash Component for Windows	cp065076.exe	EO001600JWTKC	HPDB (C)	HPDB

	(x64) - VO000960JWTKB, VO001920JWTKL, VO003840JWTKN, VO007680JWTKP, MO000400JWTKQ, MO000800JWTKR, MO001600JWTKT, MO003200JWTKU, MO006400JWTKD, EO000400JWTKV, EO000800JWTKA and EO001600JWTKC Drives				
1516	Online HDD/SSD Flash Component for Windows (x64) - VO000960JWTKB, VO001920JWTKL, VO003840JWTKN, VO007680JWTKP, MO000400JWTKQ, MO000800JWTKR, MO001600JWTKT, MO003200JWTKU, MO006400JWTKD, EO000400JWTKV, EO000800JWTKA and EO001600JWTKC Drives	cp065076.exe	VO000960JWTKB	HPDB (C)	HPDB
1517	Online HDD/SSD Flash Component for Windows (x64) - VO000960JWTKB, VO001920JWTKL, VO003840JWTKN, VO007680JWTKP, MO000400JWTKQ, MO000800JWTKR, MO001600JWTKT, MO003200JWTKU, MO006400JWTKD, EO000400JWTKV, EO000800JWTKA and EO001600JWTKC Drives	cp065076.exe	MO000800JWTKR	HPDB (C)	HPDB
1518	Online HDD/SSD Flash Component for Windows (x64) - VO000960JWTKB, VO001920JWTKL, VO003840JWTKN, VO007680JWTKP, MO000400JWTKQ, MO000800JWTKR, MO001600JWTKT, MO003200JWTKU, MO006400JWTKD, EO000400JWTKV, EO000800JWTKA and EO001600JWTKC Drives	cp065076.exe	EO000800JWTKA	HPDB (C)	HPDB
1519	Online HDD/SSD Flash Component for Windows	cp065076.exe	MO000400JWTK Q	HPDB (C)	HPDB

	(x64) - VO000960JWTBK, VO001920JWTBL, VO003840JWBN, VO007680JWBP, MO000400JWBQ, MO000800JWBR, MO001600JWBT, MO003200JWBU, MO006400JWTC, EO000400JWBV, EO000800JWTC and EO001600JWTCB Drives				
1520	Online HDD/SSD Flash Component for Windows (x64) - VO000960JWTBK, VO001920JWTBL, VO003840JWBN, VO007680JWBP, MO000400JWBQ, MO000800JWBR, MO001600JWBT, MO003200JWBU, MO006400JWTC, EO000400JWBV, EO000800JWTC and EO001600JWTCB Drives	cp065076.exe	EO000400JWBV	HPDB (C)	HPDB
1521	Online HDD/SSD Flash Component for Windows (x64) - VO000960JWTBK, VO001920JWTBL, VO003840JWBN, VO007680JWBP, MO000400JWBQ, MO000800JWBR, MO001600JWBT, MO003200JWBU, MO006400JWTC, EO000400JWBV, EO000800JWTC and EO001600JWTCB Drives	cp065076.exe	MO001920JWW WV	HPDB (C)	HPDB
1522	Online HDD/SSD Flash Component for Windows (x64) - VO000960JWZJF, VO001920JWZJH, VO003840JWZJK, VO007680JWZJL and VO015360JWZJN Drives	cp065070.exe	VO015360JWZJN	HPD5 (C)	HPD5
1523	Online HDD/SSD Flash Component for Windows (x64) - VO000960JWZJF, VO001920JWZJH, VO003840JWZJK, VO007680JWZJL and VO015360JWZJN Drives	cp065070.exe	VO007680JWZJL	HPD5 (C)	HPD5
1524	Online HDD/SSD Flash Component for Windows	cp065070.exe	VO003840JWZJK	HPD5 (C)	HPD5

	(x64) - VO000960JWZJF, VO001920JWZJH, VO003840JWZJK, VO007680JWZJL and VO015360JWZJN Drives				
1525	Online HDD/SSD Flash Component for Windows (x64) - VO000960JWZJF, VO001920JWZJH, VO003840JWZJK, VO007680JWZJL and VO015360JWZJN Drives	cp065070.exe	VO001920JWZJH	HPD5 (C)	HPD5
1526	Online HDD/SSD Flash Component for Windows (x64) - VO000960JWZJF, VO001920JWZJH, VO003840JWZJK, VO007680JWZJL and VO015360JWZJN Drives	cp065070.exe	VO000960JWZJF	HPD5 (C)	HPD5
1527	Online HDD/SSD Flash Component for Windows (x64) - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives	cp065077.exe	VO007680RWUFC	HPD8 (C)	HPD8
1528	Online HDD/SSD Flash Component for Windows (x64) - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives	cp065077.exe	VO003840RWUFF	HPD8 (C)	HPD8
1529	Online HDD/SSD Flash Component for Windows (x64) - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives	cp065077.exe	VO003840RWUFB	HPD8 (C)	HPD8
1530	Online HDD/SSD Flash Component for Windows (x64) - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives	cp065077.exe	VO001920RWUFE	HPD8 (C)	HPD8

1531	Online HDD/SSD Flash Component for Windows (x64) - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives	cp065077.exe	VO001920RWUFA	HPD8 (C)	HPD8
1532	Online HDD/SSD Flash Component for Windows (x64) - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives	cp065077.exe	VO000960RWUFD	HPD8 (C)	HPD8
1533	Online HDD/SSD Flash Component for Windows (x64) - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives	cp065077.exe	VO000960RWUEV	HPD8 (C)	HPD8
1534	Online HDD/SSD Flash Component for Windows (x64) - VO003840XZCLT, VO007680XZCMB, MO000800XZCLQ and MO001600XZCLV Drives	cp065042.exe	VO003840XZCLT	HPD3 (B)	HPD3
1535	Online HDD/SSD Flash Component for Windows (x64) - VO003840XZCLT, VO007680XZCMB, MO000800XZCLQ and MO001600XZCLV Drives	cp065042.exe	MO001600XZCLV	HPD3 (B)	HPD3
1536	Online HDD/SSD Flash Component for Windows (x64) - VO003840XZCLT, VO007680XZCMB, MO000800XZCLQ and MO001600XZCLV Drives	cp065042.exe	MO000800XZCLQ	HPD3 (B)	HPD3
1537	Online HDD/SSD Flash Component for Windows (x64) - VO003840XZCLT, VO007680XZCMB, MO000800XZCLQ and MO001600XZCLV Drives	cp065042.exe	VO007680XZCMB	HPD3 (B)	HPD3
1538	Universal Firmware Package for Drives - MB004000JWZVU	Toshiba_MG08Air_TAM G08SDAnD3.fwpkg	MB004000JWZVU	HPD3 (B)	HPD3
1539	Universal Firmware Package for Drives - MB006000JWZVQ	Toshiba_MG08Air_TAM G08SDAeD3.fwpkg	MB006000JWZVQ	HPD3 (B)	HPD3

	and MB008000JWZVR				
1540	Universal Firmware Package for Drives - MB006000JWZVQ and MB008000JWZVR	Toshiba_MG08Air_TAM G08SDAeD3.fwpkg	MB008000JWZVR	HPD3 (B)	HPD3
1541	Universal Firmware Package for Drives - MB020000JXMVU	WDC_ParisD_WparisdA SFD1.fwpkg	MB020000JXMVU	HPD1 (B)	HPD1
1542	Universal Firmware Package for Drives - MB12000JYESN, MB16000JYEVC, MB20000JYEVD	Seagate_Summit_SUM MITSUSND1.fwpkg	MB12000JYESN	HPD1 (B)	HPD1
1543	Universal Firmware Package for Drives - MB12000JYESN, MB16000JYEVC, MB20000JYEVD	Seagate_Summit_SUM MITSUSND1.fwpkg	MB16000JYEVC	HPD1 (B)	HPD1
1544	Universal Firmware Package for Drives - MB12000JYESN, MB16000JYEVC, MB20000JYEVD	Seagate_Summit_SUM MITSUSND1.fwpkg	MB20000JYEVD	HPD1 (B)	HPD1
1545	Universal Firmware Package for Drives - MB24000JYEVE	Seagate_Summit_SUM MITSUSSD1.fwpkg	MB24000JYEVE	HPD1 (B)	HPD1
1546	Universal Firmware Package for Drives - MO000960RXKRC, MO001920RXKRH, MO003840RXKRK, VO000960RXKRB, VO001920RXKRD and VO003840RXKRE	Seagate_LangeBP_SLNG BPSD5.fwpkg	MO000960RXKRC	HPD5 (B)	HPD5
1547	Universal Firmware Package for Drives - MO000960RXKRC, MO001920RXKRH, MO003840RXKRK, VO000960RXKRB, VO001920RXKRD and VO003840RXKRE	Seagate_LangeBP_SLNG BHPESD5.fwpkg	MO001920RXKRH	HPD5 (B)	HPD5
1548	Universal Firmware Package for Drives - MO000960RXKRC, MO001920RXKRH, MO003840RXKRK, VO000960RXKRB, VO001920RXKRD and VO003840RXKRE	Seagate_LangeBP_SLNG BHPESD5.fwpkg	MO003840RXKRK	HPD5 (B)	HPD5
1549	Universal Firmware Package for Drives - MO000960RXKRC, MO001920RXKRH, MO003840RXKRK, VO000960RXKRB, VO001920RXKRD and VO003840RXKRE	Seagate_LangeBP_SLNG BHPESD5.fwpkg	VO000960RXKRB	HPD5 (B)	HPD5
1550	Universal Firmware Package for Drives - MO000960RXKRC, MO001920RXKRH, MO003840RXKRK, VO000960RXKRB, VO001920RXKRD and VO003840RXKRE	Seagate_LangeBP_SLNG BHPESD5.fwpkg	VO001920RXKRD	HPD5 (B)	HPD5

1551	Universal Firmware Package for Drives - MO000960RXKRC, MO001920RXKRH, MO003840RXKRK, VO000960RXKRB, VO001920RXKRD and VO003840RXKRE	Seagate_LangeBP_SLNG BPHPESD5.fwpkg	VO003840RXKRE	HPD5 (B)	HPD5
1552	Universal Firmware Package for Drives - MO000960RXRQK, MO001920RXRRH, MO003840RXRRK, VO000960RXRQL, VO001920RXRRL, VO003840RXRRN and VO007680RYEWD	Seagate_Cooper_SCOO PRHPESD4.fwpkg	MO000960RXRQK	HPD4 (B)	HPD4
1553	Universal Firmware Package for Drives - MO000960RXRQK, MO001920XRRH, MO003840XRRK, VO000960RXRQL, VO001920XRRRL, VO003840XRRN and VO007680RYEWD	Seagate_Cooper_SCOO PRHPESD4.fwpkg	MO001920XRRH	HPD4 (B)	HPD4
1554	Universal Firmware Package for Drives - MO000960RXRQK, MO001920XRRH, MO003840XRRK, VO000960RXRQL, VO001920XRRRL, VO003840XRRN and VO007680RYEWD	Seagate_Cooper_SCOO PRHPESD4.fwpkg	MO003840XRRK	HPD4 (B)	HPD4
1555	Universal Firmware Package for Drives - MO000960RXRQK, MO001920XRRH, MO003840XRRK, VO000960RXRQL, VO001920XRRRL, VO003840XRRN and VO007680RYEWD	Seagate_Cooper_SCOO PRHPESD4.fwpkg	VO000960RXRQL	HPD4 (B)	HPD4
1556	Universal Firmware Package for Drives - MO000960RXRQK, MO001920XRRH, MO003840XRRK, VO000960RXRQL, VO001920XRRRL, VO003840XRRN and VO007680RYEWD	Seagate_Cooper_SCOO PRHPESD4.fwpkg	VO001920XRRRL	HPD4 (B)	HPD4
1557	Universal Firmware Package for Drives - MO000960RXRQK,	Seagate_Cooper_SCOO PRHPESD4.fwpkg	VO003840XRRN	HPD4 (B)	HPD4

	MO001920RXXRH, MO003840RXXRK, VO000960RXRQL, VO001920RXRRL, VO003840RXRRN and VO007680RYEWD				
1558	Universal Firmware Package for Drives - MO000960RXRQK, MO001920RXXRH, MO003840RXXRK, VO000960RXRQL, VO001920RXRRL, VO003840RXRRN and VO007680RYEWD	Seagate_Cooper_SCOO PRHPESD4.fwpkg	VO007680RYEWD	HPD4 (B)	HPD4
1559	Universal Firmware Package for Drives - MO001600PXMTN, MO003200PXMTV, MO006400PXMUA, VO001920PXMTL, VO003840PXMTR, VO007680PXMTT and VO015360PXMTU	Kioxia_PM7_KAPM7ALS HPD2.fwpkg	VO015360PXMTU	HPD2 (B)	HPD2
1560	Universal Firmware Package for Drives - MO001600PXMTN, MO003200PXMTV, MO006400PXMUA, VO001920PXMTL, VO003840PXMTR, VO007680PXMTT and VO015360PXMTU	Kioxia_PM7_KAPM7ALS HPD2.fwpkg	VO007680PXMTT	HPD2 (B)	HPD2
1561	Universal Firmware Package for Drives - MO001600PXMTN, MO003200PXMTV, MO006400PXMUA, VO001920PXMTL, VO003840PXMTR, VO007680PXMTT and VO015360PXMTU	Kioxia_PM7_KAPM7ALS HPD2.fwpkg	VO003840PXMTR	HPD2 (B)	HPD2
1562	Universal Firmware Package for Drives - MO001600PXMTN, MO003200PXMTV, MO006400PXMUA, VO001920PXMTL, VO003840PXMTR, VO007680PXMTT and VO015360PXMTU	Kioxia_PM7_KAPM7ALS HPD2.fwpkg	VO001920PXMTL	HPD2 (B)	HPD2
1563	Universal Firmware Package for Drives - MO001600PXMTN, MO003200PXMTV,	Kioxia_PM7_KAPM7ALS HPD2.fwpkg	MO006400PXMU A	HPD2 (B)	HPD2

	MO006400PXMUA, VO001920PXMTL, VO003840PXMTR, VO007680PXMTT and VO015360PXMTU				
1564	Universal Firmware Package for Drives - MO001600PXMTN, MO003200PXMTV, MO006400PXMUA, VO001920PXMTL, VO003840PXMTR, VO007680PXMTT and VO015360PXMTU	Kioxia_PM7_KAPM7ALS HPD2.fwpkg	MO003200PXMT V	HPD2 (B)	HPD2
1565	Universal Firmware Package for Drives - MO001600PXMTN, MO003200PXMTV, MO006400PXMUA, VO001920PXMTL, VO003840PXMTR, VO007680PXMTT and VO015360PXMTU	Kioxia_PM7_KAPM7ALS HPD2.fwpkg	MO001600PXMT N	HPD2 (B)	HPD2
1566	Universal Firmware Package for Drives - MO001600PZWSH, MO003200PZWSK, MO000800PZWSF and MO006400PZXFA	Samsung_PM165X_GP M1655SAMD3.fwpkg	MO001600PZWS H	HPD3 (B)	HPD3
1567	Universal Firmware Package for Drives - MO001600PZWSH, MO003200PZWSK, MO000800PZWSF and MO006400PZXFA	Samsung_PM165X_GP M1655SAMD3.fwpkg	MO003200PZWSK	HPD3 (B)	HPD3
1568	Universal Firmware Package for Drives - MO001600PZWSH, MO003200PZWSK, MO000800PZWSF and MO006400PZXFA	Samsung_PM165X_GP M1655SAMD3.fwpkg	MO000800PZWSF	HPD3 (B)	HPD3
1569	Universal Firmware Package for Drives - MO001600PZWSH, MO003200PZWSK, MO000800PZWSF and MO006400PZXFA	Samsung_PM165X_GP M1655SAMD3.fwpkg	MO006400PZXFA	HPD3 (B)	HPD3
1570	Universal Firmware Package for Drives - VO000960PZWSL, VO001920PZWSN, VO003840PZWSP, VO007680PZXFB and VO015360PZXEU	Samsung_PM165X_GP M1653SAMD3.fwpkg	VO000960PZWSL	HPD3 (B)	HPD3
1571	Universal Firmware Package for Drives - VO000960PZWSL,	Samsung_PM165X_GP M1653SAMD3.fwpkg	VO001920PZWSN	HPD3 (B)	HPD3

	VO001920PZWSN, VO003840PZWSP, VO007680PZXFB and VO015360PZXEU				
1572	Universal Firmware Package for Drives - VO000960PZWSL, VO001920PZWSN, VO003840PZWSP, VO007680PZXFB and VO015360PZXEU	Samsung_PM165X_GP M1653SAMD3.fwpkg	VO003840PZWSP	HPD3 (B)	HPD3
1573	Universal Firmware Package for Drives - VO000960PZWSL, VO001920PZWSN, VO003840PZWSP, VO007680PZXFB and VO015360PZXEU	Samsung_PM165X_GP M1653SAMD3.fwpkg	VO007680PZXFB	HPD3 (B)	HPD3
1574	Universal Firmware Package for Drives - VO000960PZWSL, VO001920PZWSN, VO003840PZWSP, VO007680PZXFB and VO015360PZXEU	Samsung_PM165X_GP M1653SAMD3.fwpkg	VO015360PZXEU	HPD3 (B)	HPD3
1575	Universal Firmware Package for Drives - VO000960RZWUP, VO000960RZUWQ, VO001920RZWUR, VO001920RZUWV, VO003840RZWUT, VO003840RZWVA and VO007680RZUU	Kioxia_RM6_KARM6ALS HPD1.fwpkg	VO000960RZWUP	HPD1 (B)	HPD1
1576	Universal Firmware Package for Drives - VO000960RZWUP, VO000960RZUWQ, VO001920RZWUR, VO001920RZUWV, VO003840RZWUT, VO003840RZWVA and VO007680RZUU	Kioxia_RM6_KARM6ALS HPD1.fwpkg	VO000960RZUW Q	HPD1 (B)	HPD1
1577	Universal Firmware Package for Drives - VO000960RZWUP, VO000960RZUWQ, VO001920RZWUR, VO001920RZUWV, VO003840RZWUT, VO003840RZWVA and VO007680RZUU	Kioxia_RM6_KARM6ALS HPD1.fwpkg	VO001920RZWUR	HPD1 (B)	HPD1
1578	Universal Firmware Package for Drives - VO000960RZWUP, VO000960RZUWQ, VO001920RZWUR, VO001920RZUWV, VO003840RZWUT, VO003840RZWVA and VO007680RZUU	Kioxia_RM6_KARM6ALS HPD1.fwpkg	VO001920RZUWV	HPD1 (B)	HPD1
1579	Universal Firmware Package	Kioxia_RM6_KARM6ALS	VO003840RZWUT	HPD1 (B)	HPD1

	for Drives - VO000960RZWUP, VO000960RZWUQ, VO001920RZWUR, VO001920RZWUV, VO003840RZWUT, VO003840RZWVA and VO007680RZWUU	HPD1.fwpkg			
1580	Universal Firmware Package for Drives - VO000960RZWUP, VO000960RZWUQ, VO001920RZWUR, VO001920RZWUV, VO003840RZWUT, VO003840RZWVA and VO007680RZWUU	Kioxia_RM6_KARM6ALS HPD1.fwpkg	VO003840RZWVA	HPD1 (B)	HPD1
1581	Universal Firmware Package for Drives - VO000960RZWUP, VO000960RZWUQ, VO001920RZWUR, VO001920RZWUV, VO003840RZWUT, VO003840RZWVA and VO007680RZWUU	Kioxia_RM6_KARM6ALS HPD1.fwpkg	VO007680RZWUU	HPD1 (B)	HPD1

## Firmware--SATA Storage Disk

No.	Description	Package filename	Device	Package Version	Firmware/Driver version
1582	Online HDD/SSD Flash Component for Linux (x64) - MB001000GWCBC and MB002000GWCBD Drives	firmware-hdd- 68b12e54d2-HPG6- 12.1.x86_64.rpm	MB001000GWCB C	HPG6 (L)	HPG6
1583	Online HDD/SSD Flash Component for Linux (x64) - MB001000GWCBC and MB002000GWCBD Drives	firmware-hdd- 68b12e54d2-HPG6- 12.1.x86_64.rpm	MB002000GWCB D	HPG6 (L)	HPG6
1584	Online HDD/SSD Flash Component for Linux (x64) - MB001000GFWFK and MB002000GFWFL Drives	firmware-hdd- bfc4af697b-HPG6- 12.1.x86_64.rpm	MB001000GFWF K	HPG6 (L)	HPG6
1585	Online HDD/SSD Flash Component for Linux (x64) - MB001000GFWFK and MB002000GFWFL Drives	firmware-hdd- bfc4af697b-HPG6- 12.1.x86_64.rpm	MB002000GFWF L	HPG6 (L)	HPG6
1586	Online HDD/SSD Flash Component for Linux (x64) - MB001000GWJAN, MB002000GFWFA and MB004000GFWFB Drives	firmware-hdd- d39e7a7e75-HPG1- 13.1.x86_64.rpm	MB004000GFWF B	HPG1 (M)	HPG1
1587	Online HDD/SSD Flash Component for Linux (x64) - MB001000GWJAN,	firmware-hdd- d39e7a7e75-HPG1- 13.1.x86_64.rpm	MB002000GFWF A	HPG1 (M)	HPG1

	MB002000GWFVA and MB004000GWFVB Drives				
1588	Online HDD/SSD Flash Component for Linux (x64) - MB001000GWJAN, MB002000GWFVA and MB004000GWFVB Drives	firmware-hdd-d39e7a7e75-HPG1-13.1.x86_64.rpm	MB001000GWJAN	HPG1 (M)	HPG1
1589	Online HDD/SSD Flash Component for Linux (x64) - MB004000GWKGV Drive	firmware-hdd-ca21e169e2-HPG1-12.1.x86_64.rpm	MB004000GWKGV	HPG1 (L)	HPG1
1590	Online HDD/SSD Flash Component for Linux (x64) - MB004000GWWQH, MB002000GWWQF and MB001000GWWQE Drives	firmware-hdd-12304c1aca-HPG6-4.1.x86_64.rpm	MB004000GWWQH	HPG6 (D)	HPG6
1591	Online HDD/SSD Flash Component for Linux (x64) - MB004000GWWQH, MB002000GWWQF and MB001000GWWQE Drives	firmware-hdd-12304c1aca-HPG6-4.1.x86_64.rpm	MB002000GWWQF	HPG6 (D)	HPG6
1592	Online HDD/SSD Flash Component for Linux (x64) - MB004000GWWQH, MB002000GWWQF and MB001000GWWQE Drives	firmware-hdd-12304c1aca-HPG6-4.1.x86_64.rpm	MB001000GWWQE	HPG6 (D)	HPG6
1593	Online HDD/SSD Flash Component for Linux (x64) - MB006000GWJRR and MB008000GWJRT Drives	firmware-hdd-c993b31232-HPG6-5.1.x86_64.rpm	MB008000GWJRT	HPG6 (E)	HPG6
1594	Online HDD/SSD Flash Component for Linux (x64) - MB006000GWJRR and MB008000GWJRT Drives	firmware-hdd-c993b31232-HPG6-5.1.x86_64.rpm	MB006000GWJRR	HPG6 (E)	HPG6
1595	Online HDD/SSD Flash Component for Linux (x64) - MB006000GWKGR Drive	firmware-hdd-7f2a26e6d0-HPG1-12.1.x86_64.rpm	MB006000GWKGR	HPG1 (L)	HPG1
1596	Online HDD/SSD Flash Component for Linux (x64) - MB008000GWRTC Drive	firmware-hdd-82894b9e0a-HPG1-12.1.x86_64.rpm	MB008000GWRTC	HPG1 (L)	HPG1
1597	Online HDD/SSD Flash Component for Linux (x64) - MB008000GWWQU and MB006000GWWQT Drives	firmware-hdd-18e328f036-HPG8-4.1.x86_64.rpm	MB008000GWWQU	HPG8 (D)	HPG8
1598	Online HDD/SSD Flash Component for Linux (x64) - MB008000GWWQU and MB006000GWWQT Drives	firmware-hdd-18e328f036-HPG8-4.1.x86_64.rpm	MB006000GWWQT	HPG8 (D)	HPG8
1599	Online HDD/SSD Flash Component for Linux (x64) - MB010000GWZGT, MB012000GWZGU, MB014000GWZGV and MB016000GWZHD Drives	firmware-hdd-7a1edae8e7-HPG1-6.1.x86_64.rpm	MB010000GWZGT	HPG1 (F)	HPG1
1600	Online HDD/SSD Flash Component for Linux (x64) -	firmware-hdd-7a1edae8e7-HPG1-	MB012000GWZGU	HPG1 (F)	HPG1

	MB010000GWZGT, MB012000GWZGU, MB014000GWZGV and MB016000GWZHD Drives	6.1.x86_64.rpm			
1601	Online HDD/SSD Flash Component for Linux (x64) - MB010000GWZGT, MB012000GWZGU, MB014000GWZGV and MB016000GWZHD Drives	firmware-hdd- 7a1edae8e7-HPG1- 6.1.x86_64.rpm	MB014000GWZG V	HPG1 (F)	HPG1
1602	Online HDD/SSD Flash Component for Linux (x64) - MB010000GWZGT, MB012000GWZGU, MB014000GWZGV and MB016000GWZHD Drives	firmware-hdd- 7a1edae8e7-HPG1- 6.1.x86_64.rpm	MB016000GWZH D	HPG1 (F)	HPG1
1603	Online HDD/SSD Flash Component for Linux (x64) - MB010000GYDKP, MB012000GYCJL, MB014000GYCJT, MB016000GYDKQ and MB018000GYDKR Drives	firmware-hdd- 4fbb6d96e5-HPG2- 3.1.x86_64.rpm	MB010000GYDKP	HPG2 (C)	HPG2
1604	Online HDD/SSD Flash Component for Linux (x64) - MB010000GYDKP, MB012000GYCJL, MB014000GYCJT, MB016000GYDKQ and MB018000GYDKR Drives	firmware-hdd- 4fbb6d96e5-HPG2- 3.1.x86_64.rpm	MB016000GYDKQ	HPG2 (C)	HPG2
1605	Online HDD/SSD Flash Component for Linux (x64) - MB010000GYDKP, MB012000GYCJL, MB014000GYCJT, MB016000GYDKQ and MB018000GYDKR Drives	firmware-hdd- 4fbb6d96e5-HPG2- 3.1.x86_64.rpm	MB018000GYDKR	HPG2 (C)	HPG2
1606	Online HDD/SSD Flash Component for Linux (x64) - MB010000GYDKP, MB012000GYCJL, MB014000GYCJT, MB016000GYDKQ and MB018000GYDKR Drives	firmware-hdd- 4fbb6d96e5-HPG2- 3.1.x86_64.rpm	MB012000GYCJL	HPG2 (C)	HPG2
1607	Online HDD/SSD Flash Component for Linux (x64) - MB010000GYDKP, MB012000GYCJL, MB014000GYCJT, MB016000GYDKQ and MB018000GYDKR Drives	firmware-hdd- 4fbb6d96e5-HPG2- 3.1.x86_64.rpm	MB014000GYCJT	HPG2 (C)	HPG2
1608	Online HDD/SSD Flash Component for Linux (x64) - MB012000GWDFE Drive	firmware-hdd- 059b8654a6-HPG5- 3.1.x86_64.rpm	MB012000GWDF E	HPG5 (C)	HPG5
1609	Online HDD/SSD Flash	firmware-hdd-	MB014000GWTFF	HPG8 (E)	HPG8

	Component for Linux (x64) - MB012000GWTFE and MB014000GWTFE Drives	b78255e146-HPG8-5.1.x86_64.rpm			
1610	Online HDD/SSD Flash Component for Linux (x64) - MB012000GWTFE and MB014000GWTFE Drives	firmware-hdd-b78255e146-HPG8-5.1.x86_64.rpm	MB012000GWTFE	HPG8 (E)	HPG8
1611	Online HDD/SSD Flash Component for Linux (x64) - MB012000GZYVT, MB014000GZYVU, MB016000GZYVV and MB018000GYCLL Drives	firmware-hdd-e0171a2936-HPG4-3.1.x86_64.rpm	MB012000GZYVT	HPG4 (C)	HPG4
1612	Online HDD/SSD Flash Component for Linux (x64) - MB012000GZYVT, MB014000GZYVU, MB016000GZYVV and MB018000GYCLL Drives	firmware-hdd-e0171a2936-HPG4-3.1.x86_64.rpm	MB014000GZYVU	HPG4 (C)	HPG4
1613	Online HDD/SSD Flash Component for Linux (x64) - MB012000GZYVT, MB014000GZYVU, MB016000GZYVV and MB018000GYCLL Drives	firmware-hdd-e0171a2936-HPG4-3.1.x86_64.rpm	MB016000GZYVV	HPG4 (C)	HPG4
1614	Online HDD/SSD Flash Component for Linux (x64) - MB012000GZYVT, MB014000GZYVU, MB016000GZYVV and MB018000GYCLL Drives	firmware-hdd-e0171a2936-HPG4-3.1.x86_64.rpm	MB018000GYCLL	HPG4 (C)	HPG4
1615	Online HDD/SSD Flash Component for Linux (x64) - MB014000GWRTN, MB012000GWRTL and MB010000GWRTK Drives	firmware-hdd-6b7ce3da0e-HPG2-12.1.x86_64.rpm	MB014000GWRTN	HPG2 (L)	HPG2
1616	Online HDD/SSD Flash Component for Linux (x64) - MB014000GWRTN, MB012000GWRTL and MB010000GWRTK Drives	firmware-hdd-6b7ce3da0e-HPG2-12.1.x86_64.rpm	MB012000GWRTL	HPG2 (L)	HPG2
1617	Online HDD/SSD Flash Component for Linux (x64) - MB014000GWRTN, MB012000GWRTL and MB010000GWRTK Drives	firmware-hdd-6b7ce3da0e-HPG2-12.1.x86_64.rpm	MB010000GWRTK	HPG2 (L)	HPG2
1618	Online HDD/SSD Flash Component for Linux (x64) - MB014000GWUDA Drive	firmware-hdd-41cdb1c9da-HPG3-3.1.x86_64.rpm	MB014000GWUDA	HPG3 (C)	HPG3
1619	Online HDD/SSD Flash Component for Linux (x64) - MB016000GWXKK Drive	firmware-hdd-e4f147cdd2-HPG4-4.1.x86_64.rpm	MB016000GWXKK	HPG4 (D)	HPG4
1620	Online HDD/SSD Flash Component for Linux (x64) - MB018000GXMTK and	firmware-hdd-3496cc4743-HPG3-1.1.x86_64.rpm	MB020000GXMTQ	HPG3	HPG3

	MB020000GXMTQ Drives				
1621	Online HDD/SSD Flash Component for Linux (x64) - MB018000GXMTK and MB020000GXMTQ Drives	firmware-hdd-3496cc4743-HPG3-1.1.x86_64.rpm	MB018000GXMTK	HPG3	HPG3
1622	Online HDD/SSD Flash Component for Linux (x64) - MK000480GWXFF, MK000960GWXFH, MK001920GWXFK and MK003840GWXFL Drives	firmware-hdd-8e1e8083c5-HPG3-4.1.x86_64.rpm	MK003840GWXFL	HPG3 (D)	HPG3
1623	Online HDD/SSD Flash Component for Linux (x64) - MK000480GWXFF, MK000960GWXFH, MK001920GWXFK and MK003840GWXFL Drives	firmware-hdd-8e1e8083c5-HPG3-4.1.x86_64.rpm	MK001920GWXFK	HPG3 (D)	HPG3
1624	Online HDD/SSD Flash Component for Linux (x64) - MK000480GWXFF, MK000960GWXFH, MK001920GWXFK and MK003840GWXFL Drives	firmware-hdd-8e1e8083c5-HPG3-4.1.x86_64.rpm	MK000960GWXFH	HPG3 (D)	HPG3
1625	Online HDD/SSD Flash Component for Linux (x64) - MK000480GWXFF, MK000960GWXFH, MK001920GWXFK and MK003840GWXFL Drives	firmware-hdd-8e1e8083c5-HPG3-4.1.x86_64.rpm	MK000480GWXFF	HPG3 (D)	HPG3
1626	Online HDD/SSD Flash Component for Linux (x64) - MK000480GZXRA, MK000960GZXRB, MK001920GZXRC and MK003840GZXRV Drives	firmware-hdd-9475583fb5-HPG1-4.1.x86_64.rpm	MK000480GZXRA	HPG1 (D)	HPG1
1627	Online HDD/SSD Flash Component for Linux (x64) - MK000480GZXRA, MK000960GZXRB, MK001920GZXRC and MK003840GZXRV Drives	firmware-hdd-9475583fb5-HPG1-4.1.x86_64.rpm	MK001920GZXRC	HPG1 (D)	HPG1
1628	Online HDD/SSD Flash Component for Linux (x64) - MK000480GZXRA, MK000960GZXRB, MK001920GZXRC and MK003840GZXRV Drives	firmware-hdd-9475583fb5-HPG1-4.1.x86_64.rpm	MK000960GZXRB	HPG1 (D)	HPG1
1629	Online HDD/SSD Flash Component for Linux (x64) - MK000480GZXRA, MK000960GZXRB, MK001920GZXRC and MK003840GZXRV Drives	firmware-hdd-9475583fb5-HPG1-4.1.x86_64.rpm	MK003840GZXRV	HPG1 (D)	HPG1
1630	Online HDD/SSD Flash Component for Linux (x64) -	firmware-hdd-95af9a555e-HPG6-	MM1000GFJTE	HPG6 (E)	HPG6

	MM1000GFJTE Drive	5.1.x86_64.rpm			
1631	Online HDD/SSD Flash Component for Linux (x64) - MM2000GEFRA Drive	firmware-hdd-ec908c3650-HPG9-5.1.x86_64.rpm	MM2000GEFRA	HPG9 (E)	HPG9
1632	Online HDD/SSD Flash Component for Linux (x64) - VK000240GWJPD, VK000480GWJPE, VK000960GWJPF, VK001920GWJPH, VK003840GWJPK, MK000240GWKVK, MK000480GWJPN, MK000960GWJPP and MK001920GWJPPQ Drives	firmware-hdd-aef2a690c9-HPG5-11.1.x86_64.rpm	MK001920GWJPPQ	HPG5 (K)	HPG5
1633	Online HDD/SSD Flash Component for Linux (x64) - VK000240GWJPD, VK000480GWJPE, VK000960GWJPF, VK001920GWJPH, VK003840GWJPK, MK000240GWKVK, MK000480GWJPN, MK000960GWJPP and MK001920GWJPPQ Drives	firmware-hdd-aef2a690c9-HPG5-11.1.x86_64.rpm	VK001920GWJPH	HPG5 (K)	HPG5
1634	Online HDD/SSD Flash Component for Linux (x64) - VK000240GWJPD, VK000480GWJPE, VK000960GWJPF, VK001920GWJPH, VK003840GWJPK, MK000240GWKVK, MK000480GWJPN, MK000960GWJPP and MK001920GWJPPQ Drives	firmware-hdd-aef2a690c9-HPG5-11.1.x86_64.rpm	MK000240GWKVK K	HPG5 (K)	HPG5
1635	Online HDD/SSD Flash Component for Linux (x64) - VK000240GWJPD, VK000480GWJPE, VK000960GWJPF, VK001920GWJPH, VK003840GWJPK, MK000240GWKVK, MK000480GWJPN, MK000960GWJPP and MK001920GWJPPQ Drives	firmware-hdd-aef2a690c9-HPG5-11.1.x86_64.rpm	VK000240GWJPD	HPG5 (K)	HPG5
1636	Online HDD/SSD Flash Component for Linux (x64) - VK000240GWJPD, VK000480GWJPE, VK000960GWJPF, VK001920GWJPH, VK003840GWJPK,	firmware-hdd-aef2a690c9-HPG5-11.1.x86_64.rpm	VK003840GWJPK	HPG5 (K)	HPG5

	MK000240GWKVK, MK000480GWJPN, MK000960GWJPP and MK001920GWJPPQ Drives				
1637	Online HDD/SSD Flash Component for Linux (x64) - VK000240GWJPD, VK000480GWJPE, VK000960GWJPF, VK001920GWJPH, VK003840GWJPK, MK000240GWKVK, MK000480GWJPN, MK000960GWJPP and MK001920GWJPPQ Drives	firmware-hdd- aef2a690c9-HPG5- 11.1.x86_64.rpm	MK000480GWJPN	HPG5 (K)	HPG5
1638	Online HDD/SSD Flash Component for Linux (x64) - VK000240GWJPD, VK000480GWJPE, VK000960GWJPF, VK001920GWJPH, VK003840GWJPK, MK000240GWKVK, MK000480GWJPN, MK000960GWJPP and MK001920GWJPPQ Drives	firmware-hdd- aef2a690c9-HPG5- 11.1.x86_64.rpm	VK000480GWJPE	HPG5 (K)	HPG5
1639	Online HDD/SSD Flash Component for Linux (x64) - VK000240GWJPD, VK000480GWJPE, VK000960GWJPF, VK001920GWJPH, VK003840GWJPK, MK000240GWKVK, MK000480GWJPN, MK000960GWJPP and MK001920GWJPPQ Drives	firmware-hdd- aef2a690c9-HPG5- 11.1.x86_64.rpm	MK000960GWJPP	HPG5 (K)	HPG5
1640	Online HDD/SSD Flash Component for Linux (x64) - VK000240GWJPD, VK000480GWJPE, VK000960GWJPF, VK001920GWJPH, VK003840GWJPK, MK000240GWKVK, MK000480GWJPN, MK000960GWJPP and MK001920GWJPPQ Drives	firmware-hdd- aef2a690c9-HPG5- 11.1.x86_64.rpm	VK000960GWJPF	HPG5 (K)	HPG5
1641	Online HDD/SSD Flash Component for Linux (x64) - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTT, VK003840GWTTD, MK000480GWTTT,	firmware-hdd- c566d63ca0-HPG7- 4.1.x86_64.rpm	VK003840GWTTD	HPG7 (D)	HPG7

	MK000960GWTTK, MK001920GWTTL and MK003840GWTTN Drives				
1642	Online HDD/SSD Flash Component for Linux (x64) - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTT, VK003840GWTTD, MK000480GWTTT, MK000960GWTTK, MK001920GWTTL and MK003840GWTTN Drives	firmware-hdd- c566d63ca0-HPG7- 4.1.x86_64.rpm	MK003840GWTT N	HPG7 (D)	HPG7
1643	Online HDD/SSD Flash Component for Linux (x64) - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTT, VK003840GWTTD, MK000480GWTTT, MK000960GWTTK, MK001920GWTTL and MK003840GWTTN Drives	firmware-hdd- c566d63ca0-HPG7- 4.1.x86_64.rpm	VK001920GWTTT	HPG7 (D)	HPG7
1644	Online HDD/SSD Flash Component for Linux (x64) - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTT, VK003840GWTTD, MK000480GWTTT, MK000960GWTTK, MK001920GWTTL and MK003840GWTTN Drives	firmware-hdd- c566d63ca0-HPG7- 4.1.x86_64.rpm	MK001920GWTTL	HPG7 (D)	HPG7
1645	Online HDD/SSD Flash Component for Linux (x64) - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTT, VK003840GWTTD, MK000480GWTTT, MK000960GWTTK, MK001920GWTTL and MK003840GWTTN Drives	firmware-hdd- c566d63ca0-HPG7- 4.1.x86_64.rpm	VK000960GWTTB	HPG7 (D)	HPG7
1646	Online HDD/SSD Flash Component for Linux (x64) - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTT, VK003840GWTTD, MK000480GWTTT, MK000960GWTTK,	firmware-hdd- c566d63ca0-HPG7- 4.1.x86_64.rpm	MK000960GWTTK	HPG7 (D)	HPG7

	MK001920GWTTL and MK003840GWTTN Drives				
1647	Online HDD/SSD Flash Component for Linux (x64) - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTT, VK003840GWTTD, MK000480GWTTT, MK000960GWTTK, MK001920GWTTL and MK003840GWTTN Drives	firmware-hdd-c566d63ca0-HPG7-4.1.x86_64.rpm	VK000480GWTTA	HPG7 (D)	HPG7
1648	Online HDD/SSD Flash Component for Linux (x64) - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTT, VK003840GWTTD, MK000480GWTTT, MK000960GWTTK, MK001920GWTTL and MK003840GWTTN Drives	firmware-hdd-c566d63ca0-HPG7-4.1.x86_64.rpm	MK000480GWTT H	HPG7 (D)	HPG7
1649	Online HDD/SSD Flash Component for Linux (x64) - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTT, VK003840GWTTD, MK000480GWTTT, MK000960GWTTK, MK001920GWTTL and MK003840GWTTN Drives	firmware-hdd-c566d63ca0-HPG7-4.1.x86_64.rpm	VK000240GWTSV	HPG7 (D)	HPG7
1650	Online HDD/SSD Flash Component for Linux (x64) - VK000240GZXRU, VK000480GZXRF, VK000960GZXQU, VK001920GZXQV, VK003840GZXRH and VK007680GZXRT Drives	firmware-hdd-abd133f0de-HPG1-4.1.x86_64.rpm	VK001920GZXQV	HPG1 (D)	HPG1
1651	Online HDD/SSD Flash Component for Linux (x64) - VK000240GZXRU, VK000480GZXRF, VK000960GZXQU, VK001920GZXQV, VK003840GZXRH and VK007680GZXRT Drives	firmware-hdd-abd133f0de-HPG1-4.1.x86_64.rpm	VK003840GZXRH	HPG1 (D)	HPG1
1652	Online HDD/SSD Flash Component for Linux (x64) - VK000240GZXRU, VK000480GZXRF,	firmware-hdd-abd133f0de-HPG1-4.1.x86_64.rpm	VK007680GZXRT	HPG1 (D)	HPG1

	VK000960GZXQU, VK001920GZXQV, VK003840GZXRH and VK007680GZXRT Drives				
1653	Online HDD/SSD Flash Component for Linux (x64) - VK000240GZXRU, VK000480GZXRF, VK000960GZXQU, VK001920GZXQV, VK003840GZXRH and VK007680GZXRT Drives	firmware-hdd- abd133f0de-HPG1- 4.1.x86_64.rpm	VK000960GZXQU	HPG1 (D)	HPG1
1654	Online HDD/SSD Flash Component for Linux (x64) - VK000240GZXRU, VK000480GZXRF, VK000960GZXQU, VK001920GZXQV, VK003840GZXRH and VK007680GZXRT Drives	firmware-hdd- abd133f0de-HPG1- 4.1.x86_64.rpm	VK000480GZXRF	HPG1 (D)	HPG1
1655	Online HDD/SSD Flash Component for Linux (x64) - VK000240GZXRU, VK000480GZXRF, VK000960GZXQU, VK001920GZXQV, VK003840GZXRH and VK007680GZXRT Drives	firmware-hdd- abd133f0de-HPG1- 4.1.x86_64.rpm	VK000240GZXRU	HPG1 (D)	HPG1
1656	Online HDD/SSD Flash Component for Linux (x64) - VK000480GWTHA, VK000960GWTHB, VK001920GWTHC and VK003840GWTHD Drives	firmware-hdd- 492a9952f6-HPG5- 2.1.x86_64.rpm	VK003840GWTHD	HPG5 (B)	HPG5
1657	Online HDD/SSD Flash Component for Linux (x64) - VK000480GWTHA, VK000960GWTHB, VK001920GWTHC and VK003840GWTHD Drives	firmware-hdd- 492a9952f6-HPG5- 2.1.x86_64.rpm	VK001920GWTHC	HPG5 (B)	HPG5
1658	Online HDD/SSD Flash Component for Linux (x64) - VK000480GWTHA, VK000960GWTHB, VK001920GWTHC and VK003840GWTHD Drives	firmware-hdd- 492a9952f6-HPG5- 2.1.x86_64.rpm	VK000960GWTHB	HPG5 (B)	HPG5
1659	Online HDD/SSD Flash Component for Linux (x64) - VK000480GWTHA, VK000960GWTHB, VK001920GWTHC and VK003840GWTHD Drives	firmware-hdd- 492a9952f6-HPG5- 2.1.x86_64.rpm	VK000480GWTHA	HPG5 (B)	HPG5
1660	Online HDD/SSD Flash Component for Linux (x64) - VK000480GZCNE,	firmware-hdd- befd42bd64-HPG3- 4.1.x86_64.rpm	VK000480GZCNE	HPG3 (D)	HPG3

	VK000960GZCNF, VK001920GZCNH and VK003840GZCNK Drives				
1661	Online HDD/SSD Flash Component for Linux (x64) - VK000480GZCNE, VK000960GZCNF, VK001920GZCNH and VK003840GZCNK Drives	firmware-hdd- befd42bd64-HPG3- 4.1.x86_64.rpm	VK000960GZCNF	HPG3 (D)	HPG3
1662	Online HDD/SSD Flash Component for Linux (x64) - VK000480GZCNE, VK000960GZCNF, VK001920GZCNH and VK003840GZCNK Drives	firmware-hdd- befd42bd64-HPG3- 4.1.x86_64.rpm	VK001920GZCNH	HPG3 (D)	HPG3
1663	Online HDD/SSD Flash Component for Linux (x64) - VK000480GZCNE, VK000960GZCNF, VK001920GZCNH and VK003840GZCNK Drives	firmware-hdd- befd42bd64-HPG3- 4.1.x86_64.rpm	VK003840GZCNK	HPG3 (D)	HPG3
1664	Online HDD/SSD Flash Component for VMware ESXi - MB001000GWCB and MB002000GWCB Drives	CP065938.zip	MB001000GWCB C	HPG6 (J)	HPG6
1665	Online HDD/SSD Flash Component for VMware ESXi - MB001000GWCB and MB002000GWCB Drives	CP065938.zip	MB002000GWCB D	HPG6 (J)	HPG6
1666	Online HDD/SSD Flash Component for VMware ESXi - MB001000GWF and MB002000GFWL Drives	CP065937.zip	MB001000GWF K	HPG6 (K)	HPG6
1667	Online HDD/SSD Flash Component for VMware ESXi - MB001000GWF and MB002000GFWL Drives	CP065937.zip	MB002000GWF L	HPG6 (K)	HPG6
1668	Online HDD/SSD Flash Component for VMware ESXi - MB001000GWJAN, MB002000GFWA and MB004000GFWB Drives	CP065995.zip	MB004000GFW B	HPG1 (K)	HPG1
1669	Online HDD/SSD Flash Component for VMware ESXi - MB001000GWJAN, MB002000GFWA and MB004000GFWB Drives	CP065995.zip	MB002000GFW A	HPG1 (K)	HPG1
1670	Online HDD/SSD Flash Component for VMware ESXi - MB001000GWJAN, MB002000GFWA and MB004000GFWB Drives	CP065995.zip	MB001000GWJAN	HPG1 (K)	HPG1
1671	Online HDD/SSD Flash Component for VMware ESXi - MB004000GWKG Drive	CP065987.zip	MB004000GWKG V	HPG1 (K)	HPG1

1672	Online HDD/SSD Flash Component for VMware ESXi - MB004000GWWQH, MB002000GWWQF and MB001000GWWQE Drives	CP066007.zip	MB004000GWWQH	HPG6 (C)	HPG6
1673	Online HDD/SSD Flash Component for VMware ESXi - MB004000GWWQH, MB002000GWWQF and MB001000GWWQE Drives	CP066007.zip	MB002000GWWQF	HPG6 (C)	HPG6
1674	Online HDD/SSD Flash Component for VMware ESXi - MB004000GWWQH, MB002000GWWQF and MB001000GWWQE Drives	CP066007.zip	MB001000GWWQE	HPG6 (C)	HPG6
1675	Online HDD/SSD Flash Component for VMware ESXi - MB006000GWJRR and MB008000GWJRT Drives	CP066013.zip	MB008000GWJRT	HPG6 (C)	HPG6
1676	Online HDD/SSD Flash Component for VMware ESXi - MB006000GWJRR and MB008000GWJRT Drives	CP066013.zip	MB006000GWJRR	HPG6 (C)	HPG6
1677	Online HDD/SSD Flash Component for VMware ESXi - MB006000GWKGR Drive	CP065934.zip	MB006000GWKGR	HPG1 (K)	HPG1
1678	Online HDD/SSD Flash Component for VMware ESXi - MB008000GWRTC Drive	CP065990.zip	MB008000GWRTC	HPG1 (K)	HPG1
1679	Online HDD/SSD Flash Component for VMware ESXi - MB008000GWWQU and MB006000GWWQT Drives	CP066006.zip	MB008000GWWQU	HPG8 (C)	HPG8
1680	Online HDD/SSD Flash Component for VMware ESXi - MB008000GWWQU and MB006000GWWQT Drives	CP066006.zip	MB006000GWWQT	HPG8 (C)	HPG8
1681	Online HDD/SSD Flash Component for VMware ESXi - MB010000GWZGT, MB012000GWZGU, MB014000GWZGV and MB016000GWZHD Drives	CP065964.zip	MB010000GWZGT	HPG1 (E)	HPG1
1682	Online HDD/SSD Flash Component for VMware ESXi - MB010000GWZGT, MB012000GWZGU, MB014000GWZGV and MB016000GWZHD Drives	CP065964.zip	MB012000GWZGU	HPG1 (E)	HPG1
1683	Online HDD/SSD Flash Component for VMware ESXi - MB010000GWZGT, MB012000GWZGU, MB014000GWZGV and MB016000GWZHD Drives	CP065964.zip	MB014000GWZGV	HPG1 (E)	HPG1

1684	Online HDD/SSD Flash Component for VMware ESXi - MB010000GWZGT, MB012000GWZGU, MB014000GWZGV and MB016000GWZHD Drives	CP065964.zip	MB016000GWZHD	HPG1 (E)	HPG1
1685	Online HDD/SSD Flash Component for VMware ESXi - MB010000GYDKP, MB012000GYCJL, MB014000GYCJT, MB016000GYDKQ and MB018000GYDKR Drives	CP065972.zip	MB010000GYDKP	HPG2 (C)	HPG2
1686	Online HDD/SSD Flash Component for VMware ESXi - MB010000GYDKP, MB012000GYCJL, MB014000GYCJT, MB016000GYDKQ and MB018000GYDKR Drives	CP065972.zip	MB016000GYDKQ	HPG2 (C)	HPG2
1687	Online HDD/SSD Flash Component for VMware ESXi - MB010000GYDKP, MB012000GYCJL, MB014000GYCJT, MB016000GYDKQ and MB018000GYDKR Drives	CP065972.zip	MB018000GYDKR	HPG2 (C)	HPG2
1688	Online HDD/SSD Flash Component for VMware ESXi - MB010000GYDKP, MB012000GYCJL, MB014000GYCJT, MB016000GYDKQ and MB018000GYDKR Drives	CP065972.zip	MB012000GYCJL	HPG2 (C)	HPG2
1689	Online HDD/SSD Flash Component for VMware ESXi - MB010000GYDKP, MB012000GYCJL, MB014000GYCJT, MB016000GYDKQ and MB018000GYDKR Drives	CP065972.zip	MB014000GYCJT	HPG2 (C)	HPG2
1690	Online HDD/SSD Flash Component for VMware ESXi - MB012000GWDFE Drive	CP065936.zip	MB012000GWDFE	HPG5 (C)	HPG5
1691	Online HDD/SSD Flash Component for VMware ESXi - MB012000GWTFE and MB014000GWTFE Drives	CP065997.zip	MB014000GWTFE	HPG8 (C)	HPG8
1692	Online HDD/SSD Flash Component for VMware ESXi - MB012000GWTFE and MB014000GWTFE Drives	CP065997.zip	MB012000GWTFE	HPG8 (C)	HPG8
1693	Online HDD/SSD Flash Component for VMware ESXi - MB012000GZYVT,	CP065980.zip	MB012000GZYVT	HPG4 (C)	HPG4

	MB014000GZYVU, MB016000GZYVV and MB018000GYCLL Drives				
1694	Online HDD/SSD Flash Component for VMware ESXi - MB012000GZYVT, MB014000GZYVU, MB016000GZYVV and MB018000GYCLL Drives	CP065980.zip	MB014000GZYVU	HPG4 (C)	HPG4
1695	Online HDD/SSD Flash Component for VMware ESXi - MB012000GZYVT, MB014000GZYVU, MB016000GZYVV and MB018000GYCLL Drives	CP065980.zip	MB016000GZYVV	HPG4 (C)	HPG4
1696	Online HDD/SSD Flash Component for VMware ESXi - MB012000GZYVT, MB014000GZYVU, MB016000GZYVV and MB018000GYCLL Drives	CP065980.zip	MB018000GYCLL	HPG4 (C)	HPG4
1697	Online HDD/SSD Flash Component for VMware ESXi - MB014000GWRTN, MB012000GWRTL and MB010000GWRTK Drives	CP066011.zip	MB014000GWRT N	HPG2 (J)	HPG2
1698	Online HDD/SSD Flash Component for VMware ESXi - MB014000GWRTN, MB012000GWRTL and MB010000GWRTK Drives	CP066011.zip	MB012000GWRTL	HPG2 (J)	HPG2
1699	Online HDD/SSD Flash Component for VMware ESXi - MB014000GWRTN, MB012000GWRTL and MB010000GWRTK Drives	CP066011.zip	MB010000GWRT K	HPG2 (J)	HPG2
1700	Online HDD/SSD Flash Component for VMware ESXi - MB014000GWUDA Drive	CP065991.zip	MB014000GWUD A	HPG3 (C)	HPG3
1701	Online HDD/SSD Flash Component for VMware ESXi - MB016000GWXKK Drive	CP065948.zip	MB016000GWXK K	HPG4 (C)	HPG4
1702	Online HDD/SSD Flash Component for VMware ESXi - MB018000GXMTK and MB020000GXMTQ Drives	CP065977.zip	MB020000GXMT Q	HPG3 (B)	HPG3
1703	Online HDD/SSD Flash Component for VMware ESXi - MB018000GXMTK and MB020000GXMTQ Drives	CP065977.zip	MB018000GXMTK	HPG3 (B)	HPG3
1704	Online HDD/SSD Flash Component for VMware ESXi - MK000480GWXFF, MK000960GWXFH, MK001920GWXFK and	CP065978.zip	MK003840GWXFL	HPG3 (C)	HPG3

	MK003840GWXFL Drives				
1705	Online HDD/SSD Flash Component for VMware ESXi - MK000480GWXFF, MK000960GWXFH, MK001920GWXFK and MK003840GWXFL Drives	CP065978.zip	MK001920GWXFK	HPG3 (C)	HPG3
1706	Online HDD/SSD Flash Component for VMware ESXi - MK000480GWXFF, MK000960GWXFH, MK001920GWXFK and MK003840GWXFL Drives	CP065978.zip	MK000960GWXFH	HPG3 (C)	HPG3
1707	Online HDD/SSD Flash Component for VMware ESXi - MK000480GWXFF, MK000960GWXFH, MK001920GWXFK and MK003840GWXFL Drives	CP065978.zip	MK000480GWXFF	HPG3 (C)	HPG3
1708	Online HDD/SSD Flash Component for VMware ESXi - MK000480GZXRA, MK000960GZXRB, MK001920GZXRC and MK003840GZXRV Drives.	CP065947.zip	MK000480GZXRA	HPG1 (C)	HPG1
1709	Online HDD/SSD Flash Component for VMware ESXi - MK000480GZXRA, MK000960GZXRB, MK001920GZXRC and MK003840GZXRV Drives.	CP065947.zip	MK001920GZXRC	HPG1 (C)	HPG1
1710	Online HDD/SSD Flash Component for VMware ESXi - MK000480GZXRA, MK000960GZXRB, MK001920GZXRC and MK003840GZXRV Drives.	CP065947.zip	MK000960GZXRB	HPG1 (C)	HPG1
1711	Online HDD/SSD Flash Component for VMware ESXi - MK000480GZXRA, MK000960GZXRB, MK001920GZXRC and MK003840GZXRV Drives.	CP065947.zip	MK003840GZXRV	HPG1 (C)	HPG1
1712	Online HDD/SSD Flash Component for VMware ESXi - MM1000GFJTE Drive	CP066002.zip	MM1000GFJTE	HPG6 (E)	HPG6
1713	Online HDD/SSD Flash Component for VMware ESXi - MM2000GEFRA Drive	CP066001.zip	MM2000GEFRA	HPG9 (E)	HPG9
1714	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWJPD, VK000480GWJPE, VK000960GWJPF, VK001920GWJPH,	CP065971.zip	MK001920GWJPD	HPG5 (J)	HPG5

	VK003840GWJPK, MK000240GWKVK, MK000480GWJPN, MK000960GWJPP and MK001920GWJPPQ Drives				
1715	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWJPD, VK000480GWJPE, VK000960GWJPF, VK001920GWJPH, VK003840GWJPK, MK000240GWKVK, MK000480GWJPN, MK000960GWJPP and MK001920GWJPPQ Drives	CP065971.zip	MK000240GWKV K	HPG5 (J)	HPG5
1716	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWJPD, VK000480GWJPE, VK000960GWJPF, VK001920GWJPH, VK003840GWJPK, MK000240GWKVK, MK000480GWJPN, MK000960GWJPP and MK001920GWJPPQ Drives	CP065971.zip	MK000480GWJPN	HPG5 (J)	HPG5
1717	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWJPD, VK000480GWJPE, VK000960GWJPF, VK001920GWJPH, VK003840GWJPK, MK000240GWKVK, MK000480GWJPN, MK000960GWJPP and MK001920GWJPPQ Drives	CP065971.zip	MK000960GWJPP	HPG5 (J)	HPG5
1718	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWJPD, VK000480GWJPE, VK000960GWJPF, VK001920GWJPH, VK003840GWJPK, MK000240GWKVK, MK000480GWJPN, MK000960GWJPP and MK001920GWJPPQ Drives	CP065971.zip	VK003840GWJPK	HPG5 (J)	HPG5
1719	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWJPD, VK000480GWJPE, VK000960GWJPF, VK001920GWJPH, VK003840GWJPK,	CP065971.zip	VK001920GWJPH	HPG5 (J)	HPG5

	MK000240GWKVK, MK000480GWJPN, MK000960GWJPP and MK001920GWJPPQ Drives				
1720	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWJPD, VK000480GWJPE, VK000960GWJPF, VK001920GWJPH, VK003840GWJPK, MK000240GWKVK, MK000480GWJPN, MK000960GWJPP and MK001920GWJPPQ Drives	CP065971.zip	VK000960GWJPF	HPG5 (J)	HPG5
1721	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWJPD, VK000480GWJPE, VK000960GWJPF, VK001920GWJPH, VK003840GWJPK, MK000240GWKVK, MK000480GWJPN, MK000960GWJPP and MK001920GWJPPQ Drives	CP065971.zip	VK000480GWJPE	HPG5 (J)	HPG5
1722	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWJPD, VK000480GWJPE, VK000960GWJPF, VK001920GWJPH, VK003840GWJPK, MK000240GWKVK, MK000480GWJPN, MK000960GWJPP and MK001920GWJPPQ Drives	CP065971.zip	VK000240GWJPD	HPG5 (J)	HPG5
1723	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GW TTC, VK003840GWTTD, MK000480GWTT H, MK000960GWTTK, MK001920GWTTL and MK003840GWTTN Drives	CP065970.zip	VK003840GWTTD	HPG7 (D)	HPG7
1724	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GW TTC, VK003840GWTTD, MK000480GWTT H,	CP065970.zip	MK003840GWTT N	HPG7 (D)	HPG7

	MK000960GWTTK, MK001920GWTTL and MK003840GWTTN Drives				
1725	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTT, VK003840GWTTD, MK000480GWTTT, MK000960GWTTK, MK001920GWTTL and MK003840GWTTN Drives	CP065970.zip	VK001920GWTTT	HPG7 (D)	HPG7
1726	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTT, VK003840GWTTD, MK000480GWTTT, MK000960GWTTK, MK001920GWTTL and MK003840GWTTN Drives	CP065970.zip	MK001920GWTTL	HPG7 (D)	HPG7
1727	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTT, VK003840GWTTD, MK000480GWTTT, MK000960GWTTK, MK001920GWTTL and MK003840GWTTN Drives	CP065970.zip	VK000960GWTTB	HPG7 (D)	HPG7
1728	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTT, VK003840GWTTD, MK000480GWTTT, MK000960GWTTK, MK001920GWTTL and MK003840GWTTN Drives	CP065970.zip	MK000960GWTTK	HPG7 (D)	HPG7
1729	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTT, VK003840GWTTD, MK000480GWTTT, MK000960GWTTK,	CP065970.zip	VK000480GWTTA	HPG7 (D)	HPG7

	MK001920GWTTL and MK003840GWTTN Drives				
1730	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTT, VK003840GWTTD, MK000480GWTTT, MK000960GWTTK, MK001920GWTTL and MK003840GWTTN Drives	CP065970.zip	MK000480GWTT H	HPG7 (D)	HPG7
1731	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTT, VK003840GWTTD, MK000480GWTTT, MK000960GWTTK, MK001920GWTTL and MK003840GWTTN Drives	CP065970.zip	VK000240GWTSV	HPG7 (D)	HPG7
1732	Online HDD/SSD Flash Component for VMware ESXi - VK000240GZXRU, VK000480GZXRF, VK000960GZXQU, VK001920GZXQV, VK003840GZXRH and VK007680GZXRT Drives.	CP065949.zip	VK001920GZXQV	HPG1 (C)	HPG1
1733	Online HDD/SSD Flash Component for VMware ESXi - VK000240GZXRU, VK000480GZXRF, VK000960GZXQU, VK001920GZXQV, VK003840GZXRH and VK007680GZXRT Drives.	CP065949.zip	VK003840GZXRH	HPG1 (C)	HPG1
1734	Online HDD/SSD Flash Component for VMware ESXi - VK000240GZXRU, VK000480GZXRF, VK000960GZXQU, VK001920GZXQV, VK003840GZXRH and VK007680GZXRT Drives.	CP065949.zip	VK007680GZXRT	HPG1 (C)	HPG1
1735	Online HDD/SSD Flash Component for VMware ESXi - VK000240GZXRU, VK000480GZXRF, VK000960GZXQU, VK001920GZXQV, VK003840GZXRH and	CP065949.zip	VK000960GZXQU	HPG1 (C)	HPG1

	VK007680GZXRT Drives.				
1736	Online HDD/SSD Flash Component for VMware ESXi - VK000240GZXRU, VK000480GZXRF, VK000960GZXQU, VK001920GZXQV, VK003840GZXRH and VK007680GZXRT Drives.	CP065949.zip	VK000480GZXRF	HPG1 (C)	HPG1
1737	Online HDD/SSD Flash Component for VMware ESXi - VK000240GZXRU, VK000480GZXRF, VK000960GZXQU, VK001920GZXQV, VK003840GZXRH and VK007680GZXRT Drives.	CP065949.zip	VK000240GZXRU	HPG1 (C)	HPG1
1738	Online HDD/SSD Flash Component for VMware ESXi - VK000480GWTHA, VK000960GWTHB, VK001920GWTHC and VK003840GWTHD Drives	CP066023.zip	VK003840GWTHD	HPG5 (C)	HPG5
1739	Online HDD/SSD Flash Component for VMware ESXi - VK000480GWTHA, VK000960GWTHB, VK001920GWTHC and VK003840GWTHD Drives	CP066023.zip	VK001920GWTHC	HPG5 (C)	HPG5
1740	Online HDD/SSD Flash Component for VMware ESXi - VK000480GWTHA, VK000960GWTHB, VK001920GWTHC and VK003840GWTHD Drives	CP066023.zip	VK000960GWTHB	HPG5 (C)	HPG5
1741	Online HDD/SSD Flash Component for VMware ESXi - VK000480GWTHA, VK000960GWTHB, VK001920GWTHC and VK003840GWTHD Drives	CP066023.zip	VK000480GWTHA	HPG5 (C)	HPG5
1742	Online HDD/SSD Flash Component for VMware ESXi - VK000480GZCNE, VK000960GZCNF, VK001920GZCNH and VK003840GZCNK Drives	CP065982.zip	VK000480GZCNE	HPG3 (C)	HPG3
1743	Online HDD/SSD Flash Component for VMware ESXi - VK000480GZCNE, VK000960GZCNF, VK001920GZCNH and VK003840GZCNK Drives	CP065982.zip	VK000960GZCNF	HPG3 (C)	HPG3
1744	Online HDD/SSD Flash Component for VMware ESXi	CP065982.zip	VK001920GZCNH	HPG3 (C)	HPG3

	- VK000480GZCNE, VK000960GZCNF, VK001920GZCNH and VK003840GZCNK Drives				
1745	Online HDD/SSD Flash Component for VMware ESXi - VK000480GZCNE, VK000960GZCNF, VK001920GZCNH and VK003840GZCNK Drives	CP065982.zip	VK003840GZCNK	HPG3 (C)	HPG3
1746	Online HDD/SSD Flash Component for Windows (x64) - MB001000GWCBC and MB002000GWCBD Drives	cp065096.exe	MB001000GWCBC C	HPG6 (I)	HPG6
1747	Online HDD/SSD Flash Component for Windows (x64) - MB001000GWCBC and MB002000GWCBD Drives	cp065096.exe	MB002000GWCBC D	HPG6 (I)	HPG6
1748	Online HDD/SSD Flash Component for Windows (x64) - MB001000GFWFK and MB002000GFWFL Drives	cp065095.exe	MB001000GFWFK K	HPG6 (J)	HPG6
1749	Online HDD/SSD Flash Component for Windows (x64) - MB001000GFWFK and MB002000GFWFL Drives	cp065095.exe	MB002000GFWFK L	HPG6 (J)	HPG6
1750	Online HDD/SSD Flash Component for Windows (x64) - MB001000GWJAN, MB002000GFWFA and MB004000GFWFB Drives	cp065066.exe	MB004000GFWFK B	HPG1 (J)	HPG1
1751	Online HDD/SSD Flash Component for Windows (x64) - MB001000GWJAN, MB002000GFWFA and MB004000GFWFB Drives	cp065066.exe	MB002000GFWFK A	HPG1 (J)	HPG1
1752	Online HDD/SSD Flash Component for Windows (x64) - MB001000GWJAN, MB002000GFWFA and MB004000GFWFB Drives	cp065066.exe	MB001000GWJAN	HPG1 (J)	HPG1
1753	Online HDD/SSD Flash Component for Windows (x64) - MB004000GWKGV Drive	cp065089.exe	MB004000GWKGV V	HPG1 (J)	HPG1
1754	Online HDD/SSD Flash Component for Windows (x64) - MB004000GWWQH, MB002000GWWQF and MB001000GWWQE Drives	cp065079.exe	MB004000GWW QH	HPG6 (C)	HPG6
1755	Online HDD/SSD Flash Component for Windows (x64) - MB004000GWWQH,	cp065079.exe	MB002000GWW QF	HPG6 (C)	HPG6

	MB002000GWWQF and MB001000GWWQE Drives				
1756	Online HDD/SSD Flash Component for Windows (x64) - MB004000GWWQH, MB002000GWWQF and MB001000GWWQE Drives	cp065079.exe	MB001000GWWQE	HPG6 (C)	HPG6
1757	Online HDD/SSD Flash Component for Windows (x64) - MB006000GWJRR and MB008000GWJRT Drives	cp065034.exe	MB008000GWJRT	HPG6 (D)	HPG6
1758	Online HDD/SSD Flash Component for Windows (x64) - MB006000GWJRR and MB008000GWJRT Drives	cp065034.exe	MB006000GWJRR	HPG6 (D)	HPG6
1759	Online HDD/SSD Flash Component for Windows (x64) - MB006000GWKGR Drive	cp065090.exe	MB006000GWKGR	HPG1 (J)	HPG1
1760	Online HDD/SSD Flash Component for Windows (x64) - MB008000GWRTC Drive	cp065016.exe	MB008000GWRTC	HPG1 (J)	HPG1
1761	Online HDD/SSD Flash Component for Windows (x64) - MB008000GWWQU and MB006000GWWQT Drives	cp065067.exe	MB008000GWWQU	HPG8 (C)	HPG8
1762	Online HDD/SSD Flash Component for Windows (x64) - MB008000GWWQU and MB006000GWWQT Drives	cp065067.exe	MB006000GWWQT	HPG8 (C)	HPG8
1763	Online HDD/SSD Flash Component for Windows (x64) - MB010000GWZGT, MB012000GWZGU, MB014000GWZGV and MB016000GWZHD Drives	cp065083.exe	MB010000GWZGT	HPG1 (E)	HPG1
1764	Online HDD/SSD Flash Component for Windows (x64) - MB010000GWZGT, MB012000GWZGU, MB014000GWZGV and MB016000GWZHD Drives	cp065083.exe	MB012000GWZGU	HPG1 (E)	HPG1
1765	Online HDD/SSD Flash Component for Windows (x64) - MB010000GWZGT, MB012000GWZGU, MB014000GWZGV and MB016000GWZHD Drives	cp065083.exe	MB014000GWZGV	HPG1 (E)	HPG1
1766	Online HDD/SSD Flash Component for Windows (x64) - MB010000GWZGT, MB012000GWZGU,	cp065083.exe	MB016000GWZHD	HPG1 (E)	HPG1

	MB014000GWZGV and MB016000GWZHD Drives				
1767	Online HDD/SSD Flash Component for Windows (x64) - MB010000GYDKP, MB012000GYCJL, MB014000GYCJT, MB016000GYDKQ and MB018000GYDKR Drives	cp065086.exe	MB010000GYDKP	HPG2 (C)	HPG2
1768	Online HDD/SSD Flash Component for Windows (x64) - MB010000GYDKP, MB012000GYCJL, MB014000GYCJT, MB016000GYDKQ and MB018000GYDKR Drives	cp065086.exe	MB016000GYDKQ	HPG2 (C)	HPG2
1769	Online HDD/SSD Flash Component for Windows (x64) - MB010000GYDKP, MB012000GYCJL, MB014000GYCJT, MB016000GYDKQ and MB018000GYDKR Drives	cp065086.exe	MB018000GYDKR	HPG2 (C)	HPG2
1770	Online HDD/SSD Flash Component for Windows (x64) - MB010000GYDKP, MB012000GYCJL, MB014000GYCJT, MB016000GYDKQ and MB018000GYDKR Drives	cp065086.exe	MB012000GYCJL	HPG2 (C)	HPG2
1771	Online HDD/SSD Flash Component for Windows (x64) - MB010000GYDKP, MB012000GYCJL, MB014000GYCJT, MB016000GYDKQ and MB018000GYDKR Drives	cp065086.exe	MB014000GYCJT	HPG2 (C)	HPG2
1772	Online HDD/SSD Flash Component for Windows (x64) - MB012000GWDFE Drive	cp065094.exe	MB012000GWDFE	HPG5 (C)	HPG5
1773	Online HDD/SSD Flash Component for Windows (x64) - MB012000GWTFE and MB014000GWTFE Drives	cp065069.exe	MB014000GWTFE	HPG8 (D)	HPG8
1774	Online HDD/SSD Flash Component for Windows (x64) - MB012000GWTFE and MB014000GWTFE Drives	cp065069.exe	MB012000GWTFE	HPG8 (D)	HPG8
1775	Online HDD/SSD Flash Component for Windows (x64) - MB012000GZYVT, MB014000GZYVU, MB016000GZYVV and MB018000GYCLL Drives	cp065022.exe	MB012000GZYVT	HPG4 (C)	HPG4

1776	Online HDD/SSD Flash Component for Windows (x64) - MB012000GZYVT, MB014000GZYVU, MB016000GZYVV and MB018000GYCLL Drives	cp065022.exe	MB014000GZYVU	HPG4 (C)	HPG4
1777	Online HDD/SSD Flash Component for Windows (x64) - MB012000GZYVT, MB014000GZYVU, MB016000GZYVV and MB018000GYCLL Drives	cp065022.exe	MB016000GZYVV	HPG4 (C)	HPG4
1778	Online HDD/SSD Flash Component for Windows (x64) - MB012000GZYVT, MB014000GZYVU, MB016000GZYVV and MB018000GYCLL Drives	cp065022.exe	MB018000GYCLL	HPG4 (C)	HPG4
1779	Online HDD/SSD Flash Component for Windows (x64) - MB014000GWRTN, MB012000GWRTL and MB010000GWRTK Drives	cp065053.exe	MB014000GWRTN	HPG2 (I)	HPG2
1780	Online HDD/SSD Flash Component for Windows (x64) - MB014000GWRTN, MB012000GWRTL and MB010000GWRTK Drives	cp065053.exe	MB012000GWRTL	HPG2 (I)	HPG2
1781	Online HDD/SSD Flash Component for Windows (x64) - MB014000GWRTN, MB012000GWRTL and MB010000GWRTK Drives	cp065053.exe	MB010000GWRTK	HPG2 (I)	HPG2
1782	Online HDD/SSD Flash Component for Windows (x64) - MB014000GWUDA Drive	cp065017.exe	MB014000GWUDA	HPG3 (C)	HPG3
1783	Online HDD/SSD Flash Component for Windows (x64) - MB016000GWXKK Drive	cp065030.exe	MB016000GWXKK	HPG4 (C)	HPG4
1784	Online HDD/SSD Flash Component for Windows (x64) - MB018000GXMTK and MB020000GXMTQ Drives	cp065088.exe	MB020000GXMTQ	HPG3 (B)	HPG3
1785	Online HDD/SSD Flash Component for Windows (x64) - MB018000GXMTK and MB020000GXMTQ Drives	cp065088.exe	MB018000GXMTK	HPG3 (B)	HPG3
1786	Online HDD/SSD Flash Component for Windows (x64) - MK000480GWXFF, MK000960GWXFH, MK001920GWXFK and MK003840GWXFL Drives	cp065061.exe	MK003840GWXFL	HPG3 (C)	HPG3

1787	Online HDD/SSD Flash Component for Windows (x64) - MK000480GWXFF, MK000960GWXFH, MK001920GWXFK and MK003840GWXFL Drives	cp065061.exe	MK001920GWXFK	HPG3 (C)	HPG3
1788	Online HDD/SSD Flash Component for Windows (x64) - MK000480GWXFF, MK000960GWXFH, MK001920GWXFK and MK003840GWXFL Drives	cp065061.exe	MK000960GWXFH	HPG3 (C)	HPG3
1789	Online HDD/SSD Flash Component for Windows (x64) - MK000480GWXFF, MK000960GWXFH, MK001920GWXFK and MK003840GWXFL Drives	cp065061.exe	MK000480GWXFF	HPG3 (C)	HPG3
1790	Online HDD/SSD Flash Component for Windows (x64) - MK000480GZXRA, MK000960GZXRB, MK001920GZXRC and MK003840GZXRV Drives	cp065074.exe	MK000480GZXRA	HPG1 (C)	HPG1
1791	Online HDD/SSD Flash Component for Windows (x64) - MK000480GZXRA, MK000960GZXRB, MK001920GZXRC and MK003840GZXRV Drives	cp065074.exe	MK001920GZXRC	HPG1 (C)	HPG1
1792	Online HDD/SSD Flash Component for Windows (x64) - MK000480GZXRA, MK000960GZXRB, MK001920GZXRC and MK003840GZXRV Drives	cp065074.exe	MK000960GZXRB	HPG1 (C)	HPG1
1793	Online HDD/SSD Flash Component for Windows (x64) - MK000480GZXRA, MK000960GZXRB, MK001920GZXRC and MK003840GZXRV Drives	cp065074.exe	MK003840GZXRV	HPG1 (C)	HPG1
1794	Online HDD/SSD Flash Component for Windows (x64) - MM1000GFJTE Drive	cp065060.exe	MM1000GFJTE	HPG6 (D)	HPG6
1795	Online HDD/SSD Flash Component for Windows (x64) - MM2000GEFRA Drive	cp065057.exe	MM2000GEFRA	HPG9 (D)	HPG9
1796	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWJPD, VK000480GWJPE, VK000960GWJPF, VK001920GWJPH, VK003840GWJPK,	cp065041.exe	MK001920GWJPD	HPG5 (H)	HPG5

	MK000240GWKVK, MK000480GWJPN, MK000960GWJPP and MK001920GWJPPQ Drives				
1797	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWJPD, VK000480GWJPE, VK000960GWJPF, VK001920GWJPH, VK003840GWJPK, MK000240GWKVK, MK000480GWJPN, MK000960GWJPP and MK001920GWJPPQ Drives	cp065041.exe	VK001920GWJPH	HPG5 (H)	HPG5
1798	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWJPD, VK000480GWJPE, VK000960GWJPF, VK001920GWJPH, VK003840GWJPK, MK000240GWKVK, MK000480GWJPN, MK000960GWJPP and MK001920GWJPPQ Drives	cp065041.exe	MK000240GWKV K	HPG5 (H)	HPG5
1799	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWJPD, VK000480GWJPE, VK000960GWJPF, VK001920GWJPH, VK003840GWJPK, MK000240GWKVK, MK000480GWJPN, MK000960GWJPP and MK001920GWJPPQ Drives	cp065041.exe	VK000240GWJPD	HPG5 (H)	HPG5
1800	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWJPD, VK000480GWJPE, VK000960GWJPF, VK001920GWJPH, VK003840GWJPK, MK000240GWKVK, MK000480GWJPN, MK000960GWJPP and MK001920GWJPPQ Drives	cp065041.exe	VK003840GWJPK	HPG5 (H)	HPG5
1801	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWJPD, VK000480GWJPE, VK000960GWJPF, VK001920GWJPH, VK003840GWJPK, MK000240GWKVK,	cp065041.exe	MK000480GWJPN	HPG5 (H)	HPG5

	MK000480GWJPN, MK000960GWJPP and MK001920GWJPPQ Drives				
1802	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWJPD, VK000480GWJPE, VK000960GWJPF, VK001920GWJPH, VK003840GWJPK, MK000240GWKVK, MK000480GWJPN, MK000960GWJPP and MK001920GWJPPQ Drives	cp065041.exe	VK000480GWJPE	HPG5 (H)	HPG5
1803	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWJPD, VK000480GWJPE, VK000960GWJPF, VK001920GWJPH, VK003840GWJPK, MK000240GWKVK, MK000480GWJPN, MK000960GWJPP and MK001920GWJPPQ Drives	cp065041.exe	MK000960GWJPP	HPG5 (H)	HPG5
1804	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWJPD, VK000480GWJPE, VK000960GWJPF, VK001920GWJPH, VK003840GWJPK, MK000240GWKVK, MK000480GWJPN, MK000960GWJPP and MK001920GWJPPQ Drives	cp065041.exe	VK000960GWJPF	HPG5 (H)	HPG5
1805	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTT, VK003840GWTTD, MK000480GWTTT, MK000960GWTTK, MK001920GWTTL and MK003840GWTTN Drives	cp065014.exe	VK003840GWTTD	HPG7 (D)	HPG7
1806	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTT, VK003840GWTTD, MK000480GWTTT, MK000960GWTTK,	cp065014.exe	MK003840GWTT N	HPG7 (D)	HPG7

	MK001920GWTTL and MK003840GWTTN Drives				
1807	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTT, VK003840GWTTD, MK000480GWTTT, MK000960GWTTK, MK001920GWTTL and MK003840GWTTN Drives	cp065014.exe	VK001920GWTTT	HPG7 (D)	HPG7
1808	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTT, VK003840GWTTD, MK000480GWTTT, MK000960GWTTK, MK001920GWTTL and MK003840GWTTN Drives	cp065014.exe	MK001920GWTTL	HPG7 (D)	HPG7
1809	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTT, VK003840GWTTD, MK000480GWTTT, MK000960GWTTK, MK001920GWTTL and MK003840GWTTN Drives	cp065014.exe	VK000960GWTTB	HPG7 (D)	HPG7
1810	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTT, VK003840GWTTD, MK000480GWTTT, MK000960GWTTK, MK001920GWTTL and MK003840GWTTN Drives	cp065014.exe	MK000960GWTTK	HPG7 (D)	HPG7
1811	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTT, VK003840GWTTD, MK000480GWTTT, MK000960GWTTK, MK001920GWTTL and	cp065014.exe	VK000480GWTTA	HPG7 (D)	HPG7

	MK003840GWTTN Drives				
1812	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTT, VK003840GWTTD, MK000480GWTTT, MK000960GWTTK, MK001920GWTTL and MK003840GWTTN Drives	cp065014.exe	MK000480GWTT H	HPG7 (D)	HPG7
1813	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTT, VK003840GWTTD, MK000480GWTTT, MK000960GWTTK, MK001920GWTTL and MK003840GWTTN Drives	cp065014.exe	VK000240GWTSV	HPG7 (D)	HPG7
1814	Online HDD/SSD Flash Component for Windows (x64) - VK000240GZXRU, VK000480GZXRF, VK000960GZXQU, VK001920GZXQV, VK003840GZXRH and VK007680GZXRT Drives	cp065075.exe	VK001920GZXQV	HPG1 (C)	HPG1
1815	Online HDD/SSD Flash Component for Windows (x64) - VK000240GZXRU, VK000480GZXRF, VK000960GZXQU, VK001920GZXQV, VK003840GZXRH and VK007680GZXRT Drives	cp065075.exe	VK003840GZXRH	HPG1 (C)	HPG1
1816	Online HDD/SSD Flash Component for Windows (x64) - VK000240GZXRU, VK000480GZXRF, VK000960GZXQU, VK001920GZXQV, VK003840GZXRH and VK007680GZXRT Drives	cp065075.exe	VK007680GZXRT	HPG1 (C)	HPG1
1817	Online HDD/SSD Flash Component for Windows (x64) - VK000240GZXRU, VK000480GZXRF, VK000960GZXQU, VK001920GZXQV, VK003840GZXRH and VK007680GZXRT Drives	cp065075.exe	VK000960GZXQU	HPG1 (C)	HPG1

1818	Online HDD/SSD Flash Component for Windows (x64) - VK000240GZXRU, VK000480GZXRF, VK000960GZXQU, VK001920GZXQV, VK003840GZXRH and VK007680GZXRT Drives	cp065075.exe	VK000480GZXRF	HPG1 (C)	HPG1
1819	Online HDD/SSD Flash Component for Windows (x64) - VK000240GZXRU, VK000480GZXRF, VK000960GZXQU, VK001920GZXQV, VK003840GZXRH and VK007680GZXRT Drives	cp065075.exe	VK000240GZXRU	HPG1 (C)	HPG1
1820	Online HDD/SSD Flash Component for Windows (x64) - VK000480GWTHA, VK000960GWTHB, VK001920GWTHC and VK003840GWTHD Drives	cp065098.exe	VK003840GWTHD	HPG5 (C)	HPG5
1821	Online HDD/SSD Flash Component for Windows (x64) - VK000480GWTHA, VK000960GWTHB, VK001920GWTHC and VK003840GWTHD Drives	cp065098.exe	VK001920GWTHC	HPG5 (C)	HPG5
1822	Online HDD/SSD Flash Component for Windows (x64) - VK000480GWTHA, VK000960GWTHB, VK001920GWTHC and VK003840GWTHD Drives	cp065098.exe	VK000960GWTHB	HPG5 (C)	HPG5
1823	Online HDD/SSD Flash Component for Windows (x64) - VK000480GWTHA, VK000960GWTHB, VK001920GWTHC and VK003840GWTHD Drives	cp065098.exe	VK000480GWTHA	HPG5 (C)	HPG5
1824	Online HDD/SSD Flash Component for Windows (x64) - VK000480GZCNE, VK000960GZCNF, VK001920GZCNH and VK003840GZCNK Drives	cp065062.exe	VK000480GZCNE	HPG3 (C)	HPG3
1825	Online HDD/SSD Flash Component for Windows (x64) - VK000480GZCNE, VK000960GZCNF, VK001920GZCNH and VK003840GZCNK Drives	cp065062.exe	VK000960GZCNF	HPG3 (C)	HPG3
1826	Online HDD/SSD Flash Component for Windows (x64) - VK000480GZCNE,	cp065062.exe	VK001920GZCNH	HPG3 (C)	HPG3

	VK000960GZCNF, VK001920GZCNH and VK003840GZCNK Drives				
1827	Online HDD/SSD Flash Component for Windows (x64) - VK000480GZCNE, VK000960GZCNF, VK001920GZCNH and VK003840GZCNK Drives	cp065062.exe	VK003840GZCNK	HPG3 (C)	HPG3
1828	Universal Firmware Package for Drives - MB002000GYDNK and MB004000GYDPD	Seagate_CimarronBP_S CIMARBPNTG2.fwpkg	MB002000GYDNK	HPG2	HPG2
1829	Universal Firmware Package for Drives - MB002000GYDNK and MB004000GYDPD	Seagate_CimarronBP_S CIMARBPNTG2.fwpkg	MB004000GYDPD	HPG2	HPG2
1830	Universal Firmware Package for Drives - MB004000GWZVT	Toshiba_MG08Air_TAM G08ADAnG3.fwpkg	MB004000GWZV T	HPG3	HPG3
1831	Universal Firmware Package for Drives - MB006000GWZVL and MB008000GWZVN	Toshiba_MG08Air_TAM G08ADAeG3.fwpkg	MB006000GWZVL	HPG3	HPG3
1832	Universal Firmware Package for Drives - MB006000GWZVL and MB008000GWZVN	Toshiba_MG08Air_TAM G08ADAeG3.fwpkg	MB008000GWZV N	HPG3	HPG3
1833	Universal Firmware Package for Drives - MB006000GYDNL, MB008000GYDPE and MB010000GYDNN	Seagate_CimarronBP_S CIMARBPETG2.fwpkg	MB006000GYDNL	HPG2	HPG2
1834	Universal Firmware Package for Drives - MB006000GYDNL, MB008000GYDPE and MB010000GYDNN	Seagate_CimarronBP_S CIMARBPETG2.fwpkg	MB008000GYDPE	HPG2	HPG2
1835	Universal Firmware Package for Drives - MB006000GYDNL, MB008000GYDPE and MB010000GYDNN	Seagate_CimarronBP_S CIMARBPETG2.fwpkg	MB010000GYDNN	HPG2	HPG2
1836	Universal Firmware Package for Drives - MB12000GYESP, MB16000GYEVF and MB20000GYEVH	Seagate_Summit_SUM MITSUANG1.fwpkg	MB12000GYESP	HPG1	HPG1
1837	Universal Firmware Package for Drives - MB12000GYESP, MB16000GYEVF and MB20000GYEVH	Seagate_Summit_SUM MITSUANG1.fwpkg	MB16000GYEVF	HPG1	HPG1
1838	Universal Firmware Package for Drives - MB12000GYESP, MB16000GYEVF and MB20000GYEVH	Seagate_Summit_SUM MITSUANG1.fwpkg	MB20000GYEVH	HPG1	HPG1
1839	Universal Firmware Package for Drives - MB24000GYEVK	Seagate_Summit_SUM MITSUASG1.fwpkg	MB24000GYEVK	HPG1	HPG1
1840	Universal Firmware Package for Drives - MK000480GYCNT ,MK000960 GYCNP ,MK001920GZCNF ,M K003840GYCNQ ,VK000240GY CNU ,VK000480GYCNH ,VK00	Solidigm_S4X20_4IYYH PG4.fwpkg	MK000480GYCNT	HPG4	HPG4

	0960GYCNK ,VK001920GYCNL ,VK003840GYCNN ,VK007680 GYCNE ,VR000240GXPQT and VR000480GXPQU				
1841	Universal Firmware Package for Drives - MK000480GYCNT ,MK000960 GYCNP ,MK001920GYCNF ,MK003840GYCNQ ,VK000240GYCNU ,VK000480GYCNH ,VK000960GYCNK ,VK001920GYCNL ,VK003840GYCNN ,VK007680 GYCNE ,VR000240GXPQT and VR000480GXPQU	Solidigm_S4X20_4IYYH PG4.fwpkg	MK000960GYCNP	HPG4	HPG4
1842	Universal Firmware Package for Drives - MK000480GYCNT ,MK000960 GYCNP ,MK001920GYCNF ,MK003840GYCNQ ,VK000240GYCNU ,VK000480GYCNH ,VK000960GYCNK ,VK001920GYCNL ,VK003840GYCNN ,VK007680 GYCNE ,VR000240GXPQT and VR000480GXPQU	Solidigm_S4X20_4IYYH PG4.fwpkg	MK001920GYCNF	HPG4	HPG4
1843	Universal Firmware Package for Drives - MK000480GYCNT ,MK000960 GYCNP ,MK001920GYCNF ,MK003840GYCNQ ,VK000240GYCNU ,VK000480GYCNH ,VK000960GYCNK ,VK001920GYCNL ,VK003840GYCNN ,VK007680 GYCNE ,VR000240GXPQT and VR000480GXPQU	Solidigm_S4X20_4IYYH PG4.fwpkg	MK003840GYCNQ	HPG4	HPG4
1844	Universal Firmware Package for Drives - MK000480GYCNT ,MK000960 GYCNP ,MK001920GYCNF ,MK003840GYCNQ ,VK000240GYCNU ,VK000480GYCNH ,VK000960GYCNK ,VK001920GYCNL ,VK003840GYCNN ,VK007680 GYCNE ,VR000240GXPQT and VR000480GXPQU	Solidigm_S4X20_4IYYH PG4.fwpkg	VK000240GYCNU	HPG4	HPG4
1845	Universal Firmware Package for Drives - MK000480GYCNT ,MK000960 GYCNP ,MK001920GYCNF ,MK003840GYCNQ ,VK000240GYCNU ,VK000480GYCNH ,VK000960GYCNK ,VK001920GYCNL ,VK003840GYCNN ,VK007680 GYCNE ,VR000240GXPQT and VR000480GXPQU	Solidigm_S4X20_4IYYH PG4.fwpkg	VK000480GYCNH	HPG4	HPG4
1846	Universal Firmware Package	Solidigm_S4X20_4IYYH	VK000960GYCNK	HPG4	HPG4

	for Drives - MK000480GYCNT ,MK000960 GYCNP ,MK001920GYCNF ,M K003840GYCNQ ,VK000240GY CNU ,VK000480GYCNH ,VK00 0960GYCNK ,VK001920GYCNL ,VK003840GYCNN ,VK007680 GYCNE ,VR000240GXPQT and VR000480GXPQU	PG4.fwpkg			
1847	Universal Firmware Package for Drives - MK000480GYCNT ,MK000960 GYCNP ,MK001920GYCNF ,M K003840GYCNQ ,VK000240GY CNU ,VK000480GYCNH ,VK00 0960GYCNK ,VK001920GYCNL ,VK003840GYCNN ,VK007680 GYCNE ,VR000240GXPQT and VR000480GXPQU	Solidigm_S4X20_4IYYH PG4.fwpkg	VK001920GYCNL	HPG4	HPG4
1848	Universal Firmware Package for Drives - MK000480GYCNT ,MK000960 GYCNP ,MK001920GYCNF ,M K003840GYCNQ ,VK000240GY CNU ,VK000480GYCNH ,VK00 0960GYCNK ,VK001920GYCNL ,VK003840GYCNN ,VK007680 GYCNE ,VR000240GXPQT and VR000480GXPQU	Solidigm_S4X20_4IYYH PG4.fwpkg	VK003840GYCNN	HPG4	HPG4
1849	Universal Firmware Package for Drives - MK000480GYCNT ,MK000960 GYCNP ,MK001920GYCNF ,M K003840GYCNQ ,VK000240GY CNU ,VK000480GYCNH ,VK00 0960GYCNK ,VK001920GYCNL ,VK003840GYCNN ,VK007680 GYCNE ,VR000240GXPQT and VR000480GXPQU	Solidigm_S4X20_4IYYH PG4.fwpkg	VK007680GYCNE	HPG4	HPG4
1850	Universal Firmware Package for Drives - MK000480GYCNT ,MK000960 GYCNP ,MK001920GYCNF ,M K003840GYCNQ ,VK000240GY CNU ,VK000480GYCNH ,VK00 0960GYCNK ,VK001920GYCNL ,VK003840GYCNN ,VK007680 GYCNE ,VR000240GXPQT and VR000480GXPQU	Solidigm_S4X20_4IYYH PG4.fwpkg	VR000240GXPQT	HPG4	HPG4
1851	Universal Firmware Package for Drives - MK000480GYCNT ,MK000960 GYCNP ,MK001920GYCNF ,M K003840GYCNQ ,VK000240GY CNU ,VK000480GYCNH ,VK00 0960GYCNK ,VK001920GYCNL	Solidigm_S4X20_4IYYH PG4.fwpkg	VR000480GXPQU	HPG4	HPG4

	,VK003840GYCNN ,VK007680 GYCNE ,VR000240GXPQT and VR000480GXPQU				
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## Firmware--Storage Controller

No.	Description	Package filename	Device	Package Version	Firmware/Driver version
1852	Firmware Package - Boot Controller NS204i-u, NS204i-d and Boot Controller NS204i-p, NS204i-d, NS204i-t, NS204i-r	HPE_NS204i_Gen10p_Gen11_1.2.14.1018_C.fw pkg	NS204i-p Boot Controller	1.2.14.1018 (C)	1.2.14.1018
1853	Firmware Package - Boot Controller NS204i-u, NS204i-d and Boot Controller NS204i-p, NS204i-d, NS204i-t, NS204i-r	HPE_NS204i_Gen10p_Gen11_1.2.14.1018_C.fw pkg	NS204i-r Boot Controller	1.2.14.1018 (C)	1.2.14.1018
1854	Firmware Package - MR216i-a Tri Mode Controller	HPE_MR216i-a_Gen10P_52.30.3-5917_A.fw pkg	Broadcom MR216i-a Cntrl	52.30.3-5917	52.30.3-5917
1855	Firmware Package - MR216i-p Tri Mode Controller	HPE_MR216i-p_Gen10P_52.30.3-5917_A.fw pkg	Broadcom MR216i-p Cntrl	52.30.3-5917	52.30.3-5917
1856	Firmware Package - MR416i-a Tri Mode Controller	HPE_MR416i-a_Gen10P_52.30.3-5917_A.fw pkg	Broadcom MR416i-a Cntrl	52.30.3-5917	52.30.3-5917
1857	Firmware Package - MR416i-p Tri Mode Controller	HPE_MR416i-p_Gen10P_52.30.3-5917_A.fw pkg	Broadcom MR416i-p Cntrl	52.30.3-5917	52.30.3-5917
1858	Firmware Package - SR932i-p /SR416i-a /SR932i-p /SR416ie-m Controllers	HPE_SR416_SR932_Gen10P_Gen11_03.01.33.044_A.fw pkg	Microchip SR416i-a Cntrl	03.01.33.044	03.01.33.044
1859	Firmware Package - SR932i-p /SR416i-a /SR932i-p /SR416ie-m Controllers	HPE_SR416_SR932_Gen10P_Gen11_03.01.33.044_A.fw pkg	Microchip SR932i-p Cntrl	03.01.33.044	03.01.33.044
1860	Firmware Package - Smart Array P408i-p, P408e-p, P408i-a, P408i-c, E208i-p, E208e-p, E208i-c, E208i-a, P204i-c, P416ie-m and P816i-a SR and SR308i-o,SR308i-p controllers	HPE_SR_Gen10_7.43_A.fw pkg	Smart Array E208e-p SR Controller	7.43	7.43
1861	Firmware Package - Smart Array P408i-p, P408e-p, P408i-a, P408i-c, E208i-p, E208e-p, E208i-c, E208i-a, P204i-c, P416ie-m and P816i-a SR and SR308i-o,SR308i-p controllers	HPE_SR_Gen10_7.43_A.fw pkg	Smart Array P816i-a SR Controller	7.43	7.43
1862	Firmware Package - Smart Array P408i-p, P408e-p, P408i-a, P408i-c, E208i-p,	HPE_SR_Gen10_7.43_A.fw pkg	Smart Array P408i-a SR Controller	7.43	7.43

	E208e-p, E208i-c, E208i-a, P204i-c, P416ie-m and P816i-a SR and SR308i-o,SR308i-p controllers				
1863	Firmware Package - Smart Array P408i-p, P408e-p, P408i-a, P408i-c, E208i-p, E208e-p, E208i-c, E208i-a, P204i-c, P416ie-m and P816i-a SR and SR308i-o,SR308i-p controllers	HPE_SR_Gen10_7.43_A.fwpkg	Smart Array P408i-p SR Controller	7.43	7.43
1864	Firmware Package - Smart Array P408i-p, P408e-p, P408i-a, P408i-c, E208i-p, E208e-p, E208i-c, E208i-a, P204i-c, P416ie-m and P816i-a SR and SR308i-o,SR308i-p controllers	HPE_SR_Gen10_7.43_A.fwpkg	Smart Array E208i-a SR Controller	7.43	7.43
1865	Firmware Package - Smart Array P408i-p, P408e-p, P408i-a, P408i-c, E208i-p, E208e-p, E208i-c, E208i-a, P204i-c, P416ie-m and P816i-a SR and SR308i-o,SR308i-p controllers	HPE_SR_Gen10_7.43_A.fwpkg	Smart Array E208i-p SR Controller	7.43	7.43
1866	Online ROM Flash Component for VMware ESXi - 12Gb/s SAS Expander Firmware Smart Array Controllers and HBA Controllers	CP064922.zip	12Gb SAS Expander Card	5.15 (C)	5.15
1867	Online ROM Flash Component for VMware ESXi - Smart Array P408i-p, P408e-p, P408i-a, E208i-p, E208e-p, E208i-a, P816i-a SR Controllers	CP062902.zip	Smart Array P816i-a SR Controller	7.43	7.43
1868	Online ROM Flash Component for VMware ESXi - Smart Array P408i-p, P408e-p, P408i-a, E208i-p, E208e-p, E208i-a, P816i-a SR Controllers	CP062902.zip	Smart Array P408i-a SR Controller	7.43	7.43
1869	Online ROM Flash Component for VMware ESXi - Smart Array P408i-p, P408e-p, P408i-a, E208i-p, E208e-p, E208i-a, P816i-a SR Controllers	CP062902.zip	Smart Array P408i-p SR Controller	7.43	7.43
1870	Online ROM Flash Component for VMware ESXi - Smart Array P408i-p, P408e-p, P408i-a, E208i-p, E208e-p, E208i-a, P816i-a SR Controllers	CP062902.zip	Smart Array E208e-p SR Controller	7.43	7.43

1871	Online ROM Flash Component for VMware ESXi - Smart Array P408i-p, P408e-p, P408i-a, E208i-p, E208e-p, E208i-a, P816i-a SR Controllers	CP062902.zip	Smart Array E208i-a SR Controller	7.43	7.43
1872	Online ROM Flash Component for VMware ESXi - Smart Array P408i-p, P408e-p, P408i-a, E208i-p, E208e-p, E208i-a, P816i-a SR Controllers	CP062902.zip	Smart Array E208i-p SR Controller	7.43	7.43
1873	Online ROM Flash Component for Windows (x64) - 12Gb/s SAS Expander Firmware Smart Array Controllers and HBA Controllers	cp065150.exe	12Gb SAS Expander Card	5.15 (D)	5.15
1874	Supplemental Update / Online ROM Flash Component for Linux (x64) – 12Gb/s SAS Expander Firmware Smart Array Controllers and HBA Controllers	firmware-smartarray-1f19a4a64d-5.15-4.1.x86_64.rpm	12Gb SAS Expander Card	5.15 (D)	5.15

## Firmware--Storage Fibre Channel

No.	Description	Package filename	Device	Package Version	Firmware/Driver version
1875	Firmware Flash for Emulex Fibre Channel Host Bus Adapters for Linux (x64)	firmware-fc-emulex-2025.03.01-1.16.x86_64.rpm	SN1200E 16Gb Dual Port Fibre Channel Host Bus Adapter	2025.03.01	14.4.473.14
1876	Firmware Flash for Emulex Fibre Channel Host Bus Adapters for Linux (x64)	firmware-fc-emulex-2025.03.01-1.16.x86_64.rpm	SN1200E 16Gb Single Port Fibre Channel Host Bus Adapter	2025.03.01	14.4.473.14
1877	Firmware Flash for Emulex Fibre Channel Host Bus Adapters for Linux (x64)	firmware-fc-emulex-2025.03.01-1.16.x86_64.rpm	SN1600E 32Gb Dual Port Fibre Channel Host Bus Adapter	2025.03.01	14.4.473.14
1878	Firmware Flash for Emulex Fibre Channel Host Bus Adapters for Linux (x64)	firmware-fc-emulex-2025.03.01-1.16.x86_64.rpm	SN1600E 32Gb Single Port Fibre Channel Host Bus Adapter	2025.03.01	14.4.473.14
1879	Firmware Flash for Emulex Fibre Channel Host Bus Adapters for Linux (x64)	firmware-fc-emulex-2025.03.01-1.16.x86_64.rpm	SN1610E 32Gb 1-port Fibre Channel Host Bus Adapter	2025.03.01	14.4.473.14
1880	Firmware Flash for Emulex Fibre Channel Host Bus Adapters for Linux (x64)	firmware-fc-emulex-2025.03.01-1.16.x86_64.rpm	SN1610E 32Gb 2-port Fibre Channel Host Bus Adapter	2025.03.01	14.4.473.14

1881	Firmware Flash for Emulex Fibre Channel Host Bus Adapters for Microsoft Windows Server 2016/2019/2022/2025 x64	cp063479.exe	SN1200E 16Gb Dual Port Fibre Channel Host Bus Adapter	2025.03.01	14.4.473.14
1882	Firmware Flash for Emulex Fibre Channel Host Bus Adapters for Microsoft Windows Server 2016/2019/2022/2025 x64	cp063479.exe	SN1200E 16Gb Single Port Fibre Channel Host Bus Adapter	2025.03.01	14.4.473.14
1883	Firmware Flash for Emulex Fibre Channel Host Bus Adapters for Microsoft Windows Server 2016/2019/2022/2025 x64	cp063479.exe	SN1600E 32Gb Dual Port Fibre Channel Host Bus Adapter	2025.03.01	14.4.473.14
1884	Firmware Flash for Emulex Fibre Channel Host Bus Adapters for Microsoft Windows Server 2016/2019/2022/2025 x64	cp063479.exe	SN1600E 32Gb Single Port Fibre Channel Host Bus Adapter	2025.03.01	14.4.473.14
1885	Firmware Flash for Emulex Fibre Channel Host Bus Adapters for Microsoft Windows Server 2016/2019/2022/2025 x64	cp063479.exe	SN1610E 32Gb 1-port Fibre Channel Host Bus Adapter	2025.03.01	14.4.473.14
1886	Firmware Flash for Emulex Fibre Channel Host Bus Adapters for Microsoft Windows Server 2016/2019/2022/2025 x64	cp063479.exe	SN1610E 32Gb 2-port Fibre Channel Host Bus Adapter	2025.03.01	14.4.473.14
1887	Firmware Flash for Emulex Fibre Channel Host Bus Adapters for VMware vSphere 8.0	CP063477.zip	SN1200E 16Gb Dual Port Fibre Channel Host Bus Adapter	2025.03.01	14.4.473.14
1888	Firmware Flash for Emulex Fibre Channel Host Bus Adapters for VMware vSphere 8.0	CP063477.zip	SN1200E 16Gb Single Port Fibre Channel Host Bus Adapter	2025.03.01	14.4.473.14
1889	Firmware Flash for Emulex Fibre Channel Host Bus Adapters for VMware vSphere 8.0	CP063477.zip	SN1600E 32Gb Dual Port Fibre Channel Host Bus Adapter	2025.03.01	14.4.473.14
1890	Firmware Flash for Emulex Fibre Channel Host Bus Adapters for VMware vSphere 8.0	CP063477.zip	SN1600E 32Gb Single Port Fibre Channel Host Bus Adapter	2025.03.01	14.4.473.14
1891	Firmware Flash for Emulex Fibre Channel Host Bus Adapters for VMware vSphere 8.0	CP063477.zip	SN1610E 32Gb 1-port Fibre Channel Host Bus Adapter	2025.03.01	14.4.473.14
1892	Firmware Flash for Emulex Fibre Channel Host Bus Adapters for VMware vSphere 8.0	CP063477.zip	SN1610E 32Gb 2-port Fibre Channel Host Bus Adapter	2025.03.01	14.4.473.14
1893	Firmware Flash for Emulex	CP064176.zip	SN1200E 16Gb	2025.03.01	14.4.473.14

	Fibre Channel Host Bus Adapters for VMware vSphere 9.0		Dual Port Fibre Channel Host Bus Adapter		
1894	Firmware Flash for Emulex Fibre Channel Host Bus Adapters for VMware vSphere 9.0	CP064176.zip	SN1200E 16Gb Single Port Fibre Channel Host Bus Adapter	2025.03.01	14.4.473.14
1895	Firmware Flash for Emulex Fibre Channel Host Bus Adapters for VMware vSphere 9.0	CP064176.zip	SN1600E 32Gb Dual Port Fibre Channel Host Bus Adapter	2025.03.01	14.4.473.14
1896	Firmware Flash for Emulex Fibre Channel Host Bus Adapters for VMware vSphere 9.0	CP064176.zip	SN1600E 32Gb Single Port Fibre Channel Host Bus Adapter	2025.03.01	14.4.473.14
1897	Firmware Flash for Emulex Fibre Channel Host Bus Adapters for VMware vSphere 9.0	CP064176.zip	SN1610E 32Gb 1-port Fibre Channel Host Bus Adapter	2025.03.01	14.4.473.14
1898	Firmware Flash for Emulex Fibre Channel Host Bus Adapters for VMware vSphere 9.0	CP064176.zip	SN1610E 32Gb 2-port Fibre Channel Host Bus Adapter	2025.03.01	14.4.473.14
1899	Firmware Flash for QLogic Fibre Channel Host Bus Adapters - Linux (x86_64)	firmware-fc-qlogic-2025.03.01-1.6.x86_64.rpm	SN1100Q 16Gb Dual Port Fibre Channel Host Bus Adapter	2025.03.01	02.10.08
1900	Firmware Flash for QLogic Fibre Channel Host Bus Adapters - Linux (x86_64)	firmware-fc-qlogic-2025.03.01-1.6.x86_64.rpm	SN1100Q 16Gb Single Port Fibre Channel Host Bus Adapter	2025.03.01	02.10.08
1901	Firmware Flash for QLogic Fibre Channel Host Bus Adapters - Linux (x86_64)	firmware-fc-qlogic-2025.03.01-1.6.x86_64.rpm	SN1600Q 32Gb Dual Port Fibre Channel Host Bus Adapter	2025.03.01	02.10.08
1902	Firmware Flash for QLogic Fibre Channel Host Bus Adapters - Linux (x86_64)	firmware-fc-qlogic-2025.03.01-1.6.x86_64.rpm	SN1600Q 32Gb Single Port Fibre Channel Host Bus Adapter	2025.03.01	02.10.08
1903	Firmware Flash for QLogic Fibre Channel Host Bus Adapters - Linux (x86_64)	firmware-fc-qlogic-2025.03.01-1.6.x86_64.rpm	SN1610Q 32Gb 1-port Fibre Channel Host Bus Adapter	2025.03.01	02.10.08
1904	Firmware Flash for QLogic Fibre Channel Host Bus Adapters - Linux (x86_64)	firmware-fc-qlogic-2025.03.01-1.6.x86_64.rpm	SN1610Q 32Gb 2-port Fibre Channel Host Bus Adapter	2025.03.01	02.10.08
1905	Firmware Flash for QLogic Fibre Channel Host Bus Adapters - Microsoft Windows Server 2016/2019/2022/2025 (x86_64)	cp063822.exe	SN1100Q 16Gb Dual Port Fibre Channel Host Bus Adapter	2025.03.01	02.10.08
1906	Firmware Flash for QLogic Fibre Channel Host Bus	cp063822.exe	SN1100Q 16Gb Single Port Fibre	2025.03.01	02.10.08

	Adapters - Microsoft Windows Server 2016/2019/2022/2025 (x86_64)		Channel Host Bus Adapter		
1907	Firmware Flash for QLogic Fibre Channel Host Bus Adapters - Microsoft Windows Server 2016/2019/2022/2025 (x86_64)	cp063822.exe	SN1600Q 32Gb Dual Port Fibre Channel Host Bus Adapter	2025.03.01	02.10.08
1908	Firmware Flash for QLogic Fibre Channel Host Bus Adapters - Microsoft Windows Server 2016/2019/2022/2025 (x86_64)	cp063822.exe	SN1600Q 32Gb Single Port Fibre Channel Host Bus Adapter	2025.03.01	02.10.08
1909	Firmware Flash for QLogic Fibre Channel Host Bus Adapters - Microsoft Windows Server 2016/2019/2022/2025 (x86_64)	cp063822.exe	SN1610Q 32Gb 1-port Fibre Channel Host Bus Adapter	2025.03.01	02.10.08
1910	Firmware Flash for QLogic Fibre Channel Host Bus Adapters - Microsoft Windows Server 2016/2019/2022/2025 (x86_64)	cp063822.exe	SN1610Q 32Gb 2-port Fibre Channel Host Bus Adapter	2025.03.01	02.10.08
1911	Firmware Flash for QLogic Fibre Channel Host Bus Adapters for VMware vSphere 8.0	CP063820.zip	SN1100Q 16Gb Dual Port Fibre Channel Host Bus Adapter	2025.03.01	02.10.08
1912	Firmware Flash for QLogic Fibre Channel Host Bus Adapters for VMware vSphere 8.0	CP063820.zip	SN1100Q 16Gb Single Port Fibre Channel Host Bus Adapter	2025.03.01	02.10.08
1913	Firmware Flash for QLogic Fibre Channel Host Bus Adapters for VMware vSphere 8.0	CP063820.zip	SN1600Q 32Gb Dual Port Fibre Channel Host Bus Adapter	2025.03.01	02.10.08
1914	Firmware Flash for QLogic Fibre Channel Host Bus Adapters for VMware vSphere 8.0	CP063820.zip	SN1600Q 32Gb Single Port Fibre Channel Host Bus Adapter	2025.03.01	02.10.08
1915	Firmware Flash for QLogic Fibre Channel Host Bus Adapters for VMware vSphere 8.0	CP063820.zip	SN1610Q 32Gb 1-port Fibre Channel Host Bus Adapter	2025.03.01	02.10.08
1916	Firmware Flash for QLogic Fibre Channel Host Bus Adapters for VMware vSphere 8.0	CP063820.zip	SN1610Q 32Gb 2-port Fibre Channel Host Bus Adapter	2025.03.01	02.10.08
1917	Firmware Flash for QLogic Fibre Channel Host Bus Adapters for VMware	CP064570.zip	SN1100Q 16Gb Dual Port Fibre Channel Host Bus	2025.03.01	02.10.08

	vSphere 9.0		Adapter		
1918	Firmware Flash for QLogic Fibre Channel Host Bus Adapters for VMware vSphere 9.0	CP064570.zip	SN1100Q 16Gb Single Port Fibre Channel Host Bus Adapter	2025.03.01	02.10.08
1919	Firmware Flash for QLogic Fibre Channel Host Bus Adapters for VMware vSphere 9.0	CP064570.zip	SN1600Q 32Gb Dual Port Fibre Channel Host Bus Adapter	2025.03.01	02.10.08
1920	Firmware Flash for QLogic Fibre Channel Host Bus Adapters for VMware vSphere 9.0	CP064570.zip	SN1600Q 32Gb Single Port Fibre Channel Host Bus Adapter	2025.03.01	02.10.08
1921	Firmware Flash for QLogic Fibre Channel Host Bus Adapters for VMware vSphere 9.0	CP064570.zip	SN1610Q 32Gb 1-port Fibre Channel Host Bus Adapter	2025.03.01	02.10.08
1922	Firmware Flash for QLogic Fibre Channel Host Bus Adapters for VMware vSphere 9.0	CP064570.zip	SN1610Q 32Gb 2-port Fibre Channel Host Bus Adapter	2025.03.01	02.10.08

## Firmware—System

No.	Description	Package filename	Device	Package Version	Firmware/Driver version
1923	Firmware Package - NVMe Backplane PIC Firmware	ISS_NVMe_BP_PIC_flashV1B24.fwpkg	NVMe Backplane PIC	1.24 (E)	1.24
1924	Firmware Package - UBM1 Backplane PIC PLDM Firmware	HPE_UBM1_1.46_B.fwpkg	UBM1 Backplane PIC	1.46 (B)	1.46
1925	Firmware Package - UBM2 Backplane PIC PLDM Firmware	HPE_UBM2_1.20_F.fwpkg	UBM2 Backplane PIC	1.20 (F)	1.20
1926	Firmware Package - UBM3 Backplane PIC PLDM Firmware for servers usage	HPE_UBM3_1.24_G.fwpkg	UBM3 Backplane PIC	1.24 (G)	1.24
1927	Firmware Package - UBM4 Backplane PIC PLDM Firmware	HPE_UBM4_1.24_G.fwpkg	UBM4 Backplane PIC	1.24 (G)	1.24
1928	Firmware Package - UBM6 Backplane PIC PLDM Firmware	HPE_UBM6_1.04_C.fwpkg	UBM6 Backplane PIC	1.04 (C)	1.04
1929	Online Flash for Linux - Innovation Engine Firmware for servers using Intel Xeon Scalable 3100/3200/4100/4200/5100/5200/6100/6200/8100/8200 series Processors	firmware-ie-0.2.3.0-3.1.x86_64.rpm	Innovation Engine (IE) Firmware	0.2.3.0 (C)	0.2.3.0
1930	Online Flash for Linux - Server Platform Services (SPS) Firmware for servers using	firmware-sps-04.01.05.105-1.1.x86_64.rpm	Server Platform Services (SPS) Firmware	04.01.05.105	4.1.5.105

	Intel Xeon Scalable 3100/3200/4100/4200/5100/5200/6100/6200/8100/8200 series Processors				
1931	Online Flash for Linux - Server Platform Services (SPS) Firmware for servers using Intel Xeon Scalable 4300/5300/6300/8300 series Processors	firmware-sps-04.04.04.702-1.1.x86_64.rpm	Server Platform Services (SPS) Firmware	04.04.04.702	4.4.4.702
1932	Online Flash for Windows x64 - Server Platform Services (SPS) Firmware for servers using Intel Xeon Scalable 3100/3200/4100/4200/5100/5200/6100/6200/8100/8200 series Processors	cp065596.exe	Server Platform Services (SPS) Firmware	04.01.05.105 (B)	4.1.5.105
1933	Online Flash for Windows x64 - Server Platform Services (SPS) Firmware for servers using Intel Xeon Scalable 4300/5300/6300/8300 series Processors	cp065598.exe	Server Platform Services (SPS) Firmware	04.04.04.702 (B)	4.4.4.702
1934	Online ROM Flash Component for Windows x64 - Server Platform Services Manageability Engine Firmware for the Intel C242 and C246 PCH based systems	cp065606.exe	Server Platform Services (SPS) Firmware for Intel C242 and C...	05.01.05.005 (B)	5.1.5.5
1935	Online ROM Flash Component for Windows x64 - Server Platform Services Manageability Engine Firmware for the Intel C242 and C246 PCH based systems	cp065603.exe	Server Platform Services Manageability Engine Firmware	06.00.03.700 (B)	6.0.3.700
1936	Online ROM Flash Component for Windows x64 - Server Platform Services Manageability Engine Firmware for the Intel C256 PCH based systems	cp065578.exe	Server Platform Services Manageability Engine Firmware for t...	06.00.03.700 (B)	6.0.3.700
1937	Online ROM Flash for Linux - Innovation Engine Firmware for servers using Intel Xeon Scalable 4300/5300/6300/8300 series Processors	firmware-ie-1.0.0.22-3.1.x86_64.rpm	Innovation Engine (IE) Firmware	1.0.0.22 (C)	1.0.0.22
1938	Online ROM Flash for Linux - Server Platform Services Manageability Engine Firmware for the Intel C242 and C246 PCH based systems	firmware-u43u44sps-05.01.05.005-2.1.x86_64.rpm	Server Platform Services (SPS) Firmware for Intel C242 and C...	05.01.05.005 (B)	5.1.5.5
1939	Online ROM Flash for Linux - Server Platform Services Manageability Engine	firmware-u61sps-06.00.03.700-1.1.x86_64.rpm	Server Platform Services Manageability	06.00.03.700	6.0.3.700

	Firmware for the Intel C242 and C246 PCH based systems		Engine Firmware		
1940	Online ROM Flash for Linux - Server Platform Services Manageability Engine Firmware for the Intel C256 PCH based systems	firmware-u60sps-06.00.03.700-1.1.x86_64.rpm	Server Platform Services Manageability Engine Firmware for t...	06.00.03.700	6.0.3.700
1941	ROM Flash Firmware Package - Innovation Engine Firmware for servers using Intel Xeon Scalable 3100/3200/4100/4200/5100/5200/6100/6200/8100/8200 series Processors	OEM.IEGen10_0.2.3.0.fwpkg	Innovation Engine (IE) Universal Image.	0.2.3.0 (B)	0.2.3.0
1942	ROM Flash Firmware Package - Innovation Engine Firmware for servers using Intel Xeon Scalable 4300/5300/6300/8300 series Processors	OEM.IEGen10Plus_1.0.0.22.fwpkg	Innovation Engine (IE) Universal Image	1.0.0.22 (B)	1.0.0.22
1943	ROM Flash Firmware Package - Server Platform Services (SPS) Firmware for servers using Intel Xeon Scalable 3100/3200/4100/4200/5100/5200/6100/6200/8100/8200 series Processors	OEM.SPSTen10_04.01.05.105.fwpkg	Server Platform Services (SPS) Firmware	04.01.05.105	4.1.5.105
1944	ROM Flash Firmware Package - Server Platform Services (SPS) Firmware for servers using Intel Xeon Scalable 4300/5300/6300/8300 series Processors	OEM.SPSTen10Plus_04.04.04.702.fwpkg	Server Platform Services (SPS) Firmware	04.04.04.702	4.4.4.702
1945	ROM Flash Firmware Package - Server Platform Services Manageability Engine Firmware for the Intel C242 and C246 PCH based systems	OEM.SC_ML30GEN10Plus_ME_06.00.03.700.fwpkg	Server Platform Services Firmware	06.00.03.700	6.0.3.700
1946	ROM Flash Firmware Package - Server Platform Services Manageability Engine Firmware for the Intel C242 and C246 PCH based systems	OEM.DL20ML30Gen10SPS_05.01.05.005.fwpkg	Server Platform Services (SPS) E3 Firmware	05.01.05.005	5.1.5.5
1947	ROM Flash Firmware Package - Server Platform Services Manageability Engine Firmware for the Intel C256 PCH based systems	OEM.SC_DL20GEN10Plus_ME_06.00.03.700.fwpkg	Server Platform Services Firmware	06.00.03.700	6.0.3.700

## Software--Light-Out Management

No.	Description	Package filename	Device	Package Version	Firmware/Driver version
1948	Lights-Out Online Configuration Utility for Linux (AMD64/EM64T)	hponcfg-6.0.0-0.x86_64.rpm	-	6.0.0-0 (B)	6.0.0-0
1949	Lights-Out Online Configuration Utility for Windows x64 Editions	cp063854.exe	-	6.0.0.0 (A)	6.0.0.0

## Software—Management

No.	Description	Package filename	Device	Package Version	Firmware/Driver version
1950	iLO Driver Bundle Smart Component for ESXi 8.0 and ESXi 9.0	cp064439.zip	-	2025.03.00	800.10.9.0.17-10EM.800.1.0.20613240
1951	Smart Storage Administrator (SSA) CLI Smart Component for ESXi 8.0	cp062924.zip	Smart Array P816i-a SR Controller	2025.02.01	6.45.8.0-8.0.0
1952	Smart Storage Administrator (SSA) CLI Smart Component for ESXi 8.0	cp062924.zip	Smart Array P408i-a SR Controller	2025.02.01	6.45.8.0-8.0.0
1953	Smart Storage Administrator (SSA) CLI Smart Component for ESXi 8.0	cp062924.zip	Smart Array P408i-p SR Controller	2025.02.01	6.45.8.0-8.0.0
1954	Smart Storage Administrator (SSA) CLI Smart Component for ESXi 8.0	cp062924.zip	Smart Array E208e-p SR Controller	2025.02.01	6.45.8.0-8.0.0
1955	Smart Storage Administrator (SSA) CLI Smart Component for ESXi 8.0	cp062924.zip	Smart Array E208i-a SR Controller	2025.02.01	6.45.8.0-8.0.0
1956	Smart Storage Administrator (SSA) CLI Smart Component for ESXi 8.0	cp062924.zip	Smart Array E208i-p SR Controller	2025.02.01	6.45.8.0-8.0.0
1957	Smart Storage Administrator (SSA) CLI Smart Component for ESXi 8.0	cp062924.zip	Microchip SR416i-a Cntrl	2025.02.01	6.45.8.0-8.0.0
1958	Smart Storage Administrator (SSA) CLI Smart Component for ESXi 8.0	cp062924.zip	Microchip SR932i-p Cntrl	2025.02.01	6.45.8.0-8.0.0
1959	Smart Storage Administrator (SSA) CLI Smart Component for ESXi 8.0	cp062924.zip	Smart Array S100i SR	2025.02.01	6.45.8.0-8.0.0
1960	Smart Storage Administrator (SSA) CLI Smart Component for ESXi 8.0	cp062924.zip	Smart Array S100i SR	2025.02.01	6.45.8.0-8.0.0
1961	Smart Storage Administrator (SSA) CLI Smart Component for ESXi 8.0	cp062924.zip	Smart Array S100i SR	2025.02.01	6.45.8.0-8.0.0
1962	Smart Storage Administrator	cp062924.zip	12Gb SAS	2025.02.01	6.45.8.0-8.0.0

	(SSA) CLI Smart Component for ESXi 8.0		Expander Card		
1963	Smart Storage Administrator (SSA) CLI Smart Component for ESXi 9.0	cp064903.zip	Smart Array P816i-a SR Controller	2025.03.01	2025.03.01
1964	Smart Storage Administrator (SSA) CLI Smart Component for ESXi 9.0	cp064903.zip	Smart Array P408i-a SR Controller	2025.03.01	2025.03.01
1965	Smart Storage Administrator (SSA) CLI Smart Component for ESXi 9.0	cp064903.zip	Smart Array P408i-p SR Controller	2025.03.01	2025.03.01
1966	Smart Storage Administrator (SSA) CLI Smart Component for ESXi 9.0	cp064903.zip	Smart Array E208e-p SR Controller	2025.03.01	2025.03.01
1967	Smart Storage Administrator (SSA) CLI Smart Component for ESXi 9.0	cp064903.zip	Smart Array E208i-a SR Controller	2025.03.01	2025.03.01
1968	Smart Storage Administrator (SSA) CLI Smart Component for ESXi 9.0	cp064903.zip	Smart Array E208i-p SR Controller	2025.03.01	2025.03.01
1969	Smart Storage Administrator (SSA) CLI Smart Component for ESXi 9.0	cp064903.zip	Microchip SR416i-a Cntrl	2025.03.01	2025.03.01
1970	Smart Storage Administrator (SSA) CLI Smart Component for ESXi 9.0	cp064903.zip	Microchip SR932i-p Cntrl	2025.03.01	2025.03.01
1971	Smart Storage Administrator (SSA) CLI Smart Component for ESXi 9.0	cp064903.zip	Smart Array S100i SR	2025.03.01	2025.03.01
1972	Smart Storage Administrator (SSA) CLI Smart Component for ESXi 9.0	cp064903.zip	Smart Array S100i SR	2025.03.01	2025.03.01
1973	Smart Storage Administrator (SSA) CLI Smart Component for ESXi 9.0	cp064903.zip	Smart Array S100i SR	2025.03.01	2025.03.01
1974	Smart Storage Administrator (SSA) CLI Smart Component for ESXi 9.0	cp064903.zip	12Gb SAS Expander Card	2025.03.01	2025.03.01

## Software--Storage Controller

No.	Description	Package filename	Device	Package Version	Firmware/Driver version
1975	MegaRAID Storage Administrator StorCLI for VMware8.0	cp065471.zip	Broadcom MR416i-p Cntrl	2025.01.01 (B)	007.3011.000 0.0000-02
1976	MegaRAID Storage Administrator StorCLI for VMware8.0	cp065471.zip	Broadcom MR416i-a Cntrl	2025.01.01 (B)	007.3011.000 0.0000-02
1977	MegaRAID Storage Administrator StorCLI for VMware8.0	cp065471.zip	Broadcom MR216i-p Cntrl	2025.01.01 (B)	007.3011.000 0.0000-02
1978	MegaRAID Storage	cp065471.zip	Broadcom	2025.01.01	007.3011.000

	Administrator StorCLI for VMware8.0		MR216i-a Cntrl	(B)	0.0000-02
1979	MegaRAID Storage Administrator StorCLI for VMware9.0	cp064599.zip	Broadcom MR416i-p Cntrl	2025.01.01	2025.01.01
1980	MegaRAID Storage Administrator StorCLI for VMware9.0	cp064599.zip	Broadcom MR416i-a Cntrl	2025.01.01	2025.01.01
1981	MegaRAID Storage Administrator StorCLI for VMware9.0	cp064599.zip	Broadcom MR216i-p Cntrl	2025.01.01	2025.01.01
1982	MegaRAID Storage Administrator StorCLI for VMware9.0	cp064599.zip	Broadcom MR216i-a Cntrl	2025.01.01	2025.01.01
1983	Smart Array SR Event Notification Service for Windows Server 64-bit Editions	cp064953.exe	Smart Array P408i-a SR Controller	1.2.1.69 (B)	1.2.1.69
1984	Smart Array SR Event Notification Service for Windows Server 64-bit Editions	cp064953.exe	Smart Array P408i-p SR Controller	1.2.1.69 (B)	1.2.1.69
1985	Smart Array SR Event Notification Service for Windows Server 64-bit Editions	cp064953.exe	Smart Array P816i-a SR Controller	1.2.1.69 (B)	1.2.1.69
1986	Smart Array SR Event Notification Service for Windows Server 64-bit Editions	cp064953.exe	Smart Array E208e-p SR Controller	1.2.1.69 (B)	1.2.1.69
1987	Smart Array SR Event Notification Service for Windows Server 64-bit Editions	cp064953.exe	Smart Array E208i-p SR Controller	1.2.1.69 (B)	1.2.1.69
1988	Smart Array SR Event Notification Service for Windows Server 64-bit Editions	cp064953.exe	Smart Array E208i-a SR Controller	1.2.1.69 (B)	1.2.1.69

## Software--Storage Fibre Channel

No.	Description	Package filename	Device	Package Version	Firmware/Driver version
1989	QLogic Fibre Channel driver component for VMware vSphere 8.0	cp061880.zip	SN1100Q 16Gb Dual Port Fibre Channel Host Bus Adapter	2024.09.01	5.4.83.1-10EM.803.0.0.23710970
1990	QLogic Fibre Channel driver component for VMware vSphere 8.0	cp061880.zip	SN1100Q 16Gb Single Port Fibre Channel Host Bus Adapter	2024.09.01	5.4.83.1-10EM.803.0.0.23710970
1991	QLogic Fibre Channel driver component for VMware	cp061880.zip	SN1600Q 32Gb Dual Port Fibre	2024.09.01	5.4.83.1-10EM.803.0.0

	vSphere 8.0		Channel Host Bus Adapter		.23710970
1992	QLogic Fibre Channel driver component for VMware vSphere 8.0	cp061880.zip	SN1600Q 32Gb Single Port Fibre Channel Host Bus Adapter	2024.09.01	5.4.83.1-10EM.803.0.0 .23710970
1993	QLogic Fibre Channel driver component for VMware vSphere 8.0	cp061880.zip	SN1610Q 32Gb 1-port Fibre Channel Host Bus Adapter	2024.09.01	5.4.83.1-10EM.803.0.0 .23710970
1994	QLogic Fibre Channel driver component for VMware vSphere 8.0	cp061880.zip	SN1610Q 32Gb 2-port Fibre Channel Host Bus Adapter	2024.09.01	5.4.83.1-10EM.803.0.0 .23710970
1995	QLogic Fibre Channel driver component for VMware vSphere 8.0	cp062113.zip	SN1100Q 16Gb Dual Port Fibre Channel Host Bus Adapter	2024.09.01	5.4.82.1-10EM.800.1.0 .20613240
1996	QLogic Fibre Channel driver component for VMware vSphere 8.0	cp062113.zip	SN1100Q 16Gb Single Port Fibre Channel Host Bus Adapter	2024.09.01	5.4.82.1-10EM.800.1.0 .20613240
1997	QLogic Fibre Channel driver component for VMware vSphere 8.0	cp062113.zip	SN1600Q 32Gb Dual Port Fibre Channel Host Bus Adapter	2024.09.01	5.4.82.1-10EM.800.1.0 .20613240
1998	QLogic Fibre Channel driver component for VMware vSphere 8.0	cp062113.zip	SN1600Q 32Gb Single Port Fibre Channel Host Bus Adapter	2024.09.01	5.4.82.1-10EM.800.1.0 .20613240
1999	QLogic Fibre Channel driver component for VMware vSphere 8.0	cp062113.zip	SN1610Q 32Gb 1-port Fibre Channel Host Bus Adapter	2024.09.01	5.4.82.1-10EM.800.1.0 .20613240
2000	QLogic Fibre Channel driver component for VMware vSphere 8.0	cp062113.zip	SN1610Q 32Gb 2-port Fibre Channel Host Bus Adapter	2024.09.01	5.4.82.1-10EM.800.1.0 .20613240
2001	QLogic Fibre Channel driver component for VMware vSphere 9.0	cp064287.zip	SN1100Q 16Gb Dual Port Fibre Channel Host Bus Adapter	2025.03.01	2025.03.01
2002	QLogic Fibre Channel driver component for VMware vSphere 9.0	cp064287.zip	SN1100Q 16Gb Single Port Fibre Channel Host Bus Adapter	2025.03.01	2025.03.01
2003	QLogic Fibre Channel driver component for VMware vSphere 9.0	cp064287.zip	SN1600Q 32Gb Dual Port Fibre Channel Host Bus Adapter	2025.03.01	2025.03.01
2004	QLogic Fibre Channel driver component for VMware vSphere 9.0	cp064287.zip	SN1600Q 32Gb Single Port Fibre Channel Host Bus Adapter	2025.03.01	2025.03.01
2005	QLogic Fibre Channel driver	cp064287.zip	SN1610Q 32Gb	2025.03.01	2025.03.01

	component for VMware vSphere 9.0		1-port Fibre Channel Host Bus Adapter		
2006	QLogic Fibre Channel driver component for VMware vSphere 9.0	cp064287.zip	SN1610Q 32Gb 2-port Fibre Channel Host Bus Adapter	2025.03.01	2025.03.01

## Software--System Management

No.	Description	Package filename	Device	Package Version	Firmware/Driver version
2007	Agentless Management Service (iLO 5, iLO 6 and iLO 7) for Red Hat Enterprise Linux 9 Server	amsd-4.0.0-1974.81.rhel9.x86_64.rpm	-	4.0.0	4.0.0-1974.81.rhel9
2008	Agentless Management Service (iLO5, iLO 6) for Red Hat Enterprise Linux 8 Server	amsd-3.7.0-1869.1.rhel8.x86_64.rpm	-	3.7.0	3.7.0-1869.1.rhel8
2009	Agentless Management Service for Microsoft Windows x64	cp065519.exe	-	2.60.2.0	2.60.2.0
2010	Agentless Management Bundle Smart Component on ESXi	cp062292.zip	-	2025.03.01	802.11.11.0.4-1
2011	MegaRAID Storage Administrator StorCLI for Linux 64-bit	storcli-007.3011.0000.0000-1.noarch.rpm	Broadcom MR416i-p Cntrl	007.3011.0000.0000 (B)	007.3011.0000.0000-1
2012	MegaRAID Storage Administrator StorCLI for Linux 64-bit	storcli-007.3011.0000.0000-1.noarch.rpm	Broadcom MR416i-a Cntrl	007.3011.0000.0000 (B)	007.3011.0000.0000-1
2013	MegaRAID Storage Administrator StorCLI for Linux 64-bit	storcli-007.3011.0000.0000-1.noarch.rpm	Broadcom MR216i-p Cntrl	007.3011.0000.0000 (B)	007.3011.0000.0000-1
2014	MegaRAID Storage Administrator StorCLI for Linux 64-bit	storcli-007.3011.0000.0000-1.noarch.rpm	Broadcom MR216i-a Cntrl	007.3011.0000.0000 (B)	007.3011.0000.0000-1
2015	MegaRAID Storage Administrator StorCLI for Windows 64-bit	cp065470.exe	Broadcom MR416i-p Cntrl	7.3011.0.0 (B)	7.3011.0.0
2016	MegaRAID Storage Administrator StorCLI for Windows 64-bit	cp065470.exe	Broadcom MR416i-a Cntrl	7.3011.0.0 (B)	7.3011.0.0
2017	MegaRAID Storage Administrator StorCLI for Windows 64-bit	cp065470.exe	Broadcom MR216i-p Cntrl	7.3011.0.0 (B)	7.3011.0.0
2018	MegaRAID Storage Administrator StorCLI for Windows 64-bit	cp065470.exe	Broadcom MR216i-a Cntrl	7.3011.0.0 (B)	7.3011.0.0
2019	MegaRAID Storage Administrator for Linux 64-bit Gen	MRStorageAdministrator-008.010.012.000-00.x86_64.rpm	Broadcom MR416i-p Cntrl	8.10.12.0 (B)	008.010.012.000-00
2020	MegaRAID Storage	MRStorageAdministrator	Broadcom	8.10.12.0	008.010.012.0

	Administrator for Linux 64-bit	r-008.010.012.000-00.x86_64.rpm	MR416i-a Cntrl	(B)	00-00
2021	MegaRAID Storage Administrator for Linux 64-bit	MRStorageAdministrato r-008.010.012.000-00.x86_64.rpm	Broadcom MR216i-p Cntrl	8.10.12.0 (B)	008.010.012.0 00-00
2022	MegaRAID Storage Administrator for Linux 64-bit	MRStorageAdministrato r-008.010.012.000-00.x86_64.rpm	Broadcom MR216i-a Cntrl	8.10.12.0 (B)	008.010.012.0 00-00
2023	MegaRAID Storage Administrator for Windows 64-bit	cp065472.exe	Broadcom MR416i-p Cntrl	8.10.12.0 (B)	8.10.12.0
2024	MegaRAID Storage Administrator for Windows 64-bit	cp065472.exe	Broadcom MR416i-a Cntrl	8.10.12.0 (B)	8.10.12.0
2025	MegaRAID Storage Administrator for Windows 64-bit	cp065472.exe	Broadcom MR216i-p Cntrl	8.10.12.0 (B)	8.10.12.0
2026	MegaRAID Storage Administrator for Windows 64-bit	cp065472.exe	Broadcom MR216i-a Cntrl	8.10.12.0 (B)	8.10.12.0
2027	NVMe Drive Eject NMI Fix for Intel Xeon Processor Scalable Family for Microsoft Windows 64-bit	cp065111.exe	-	1.1.0.0 (H)	1.1.0.0
2028	Smart Storage Administrator (SSA) CLI for Linux 64-bit	ssacli-6.45-8.0.x86_64.rpm	Smart Array P408i-a SR Controller	6.45.8.0	6.45-8.0
2029	Smart Storage Administrator (SSA) CLI for Linux 64-bit	ssacli-6.45-8.0.x86_64.rpm	Smart Array P408i-p SR Controller	6.45.8.0	6.45-8.0
2030	Smart Storage Administrator (SSA) CLI for Linux 64-bit	ssacli-6.45-8.0.x86_64.rpm	Smart Array P816i-a SR Controller	6.45.8.0	6.45-8.0
2031	Smart Storage Administrator (SSA) CLI for Linux 64-bit	ssacli-6.45-8.0.x86_64.rpm	Smart Array E208e-p SR Controller	6.45.8.0	6.45-8.0
2032	Smart Storage Administrator (SSA) CLI for Linux 64-bit	ssacli-6.45-8.0.x86_64.rpm	Smart Array E208i-a SR Controller	6.45.8.0	6.45-8.0
2033	Smart Storage Administrator (SSA) CLI for Linux 64-bit	ssacli-6.45-8.0.x86_64.rpm	Smart Array E208i-p SR Controller	6.45.8.0	6.45-8.0
2034	Smart Storage Administrator (SSA) CLI for Linux 64-bit	ssacli-6.45-8.0.x86_64.rpm	Smart Array S100i SR	6.45.8.0	6.45-8.0
2035	Smart Storage Administrator (SSA) CLI for Linux 64-bit	ssacli-6.45-8.0.x86_64.rpm	Smart Array S100i SR	6.45.8.0	6.45-8.0
2036	Smart Storage Administrator (SSA) CLI for Linux 64-bit	ssacli-6.45-8.0.x86_64.rpm	Smart Array S100i SR	6.45.8.0	6.45-8.0
2037	Smart Storage Administrator (SSA) CLI for Linux 64-bit	ssacli-6.45-8.0.x86_64.rpm	Microchip SR416i- a Cntrl	6.45.8.0	6.45-8.0
2038	Smart Storage Administrator (SSA) CLI for Linux 64-bit	ssacli-6.45-8.0.x86_64.rpm	Microchip SR932i- p Cntrl	6.45.8.0	6.45-8.0
2039	Smart Storage Administrator (SSA) CLI for Linux 64-bit	ssacli-6.45-8.0.x86_64.rpm	12Gb SAS Expander Card	6.45.8.0	6.45-8.0
2040	Smart Storage Administrator	cp062921.exe	Smart Array	6.45.8.0	6.45.8.0

	(SSA) CLI for Windows 64-bit		P408i-a SR Controller		
2041	Smart Storage Administrator (SSA) CLI for Windows 64-bit	cp062921.exe	Smart Array P408i-p SR Controller	6.45.8.0	6.45.8.0
2042	Smart Storage Administrator (SSA) CLI for Windows 64-bit	cp062921.exe	Smart Array P816i-a SR Controller	6.45.8.0	6.45.8.0
2043	Smart Storage Administrator (SSA) CLI for Windows 64-bit	cp062921.exe	Smart Array E208e-p SR Controller	6.45.8.0	6.45.8.0
2044	Smart Storage Administrator (SSA) CLI for Windows 64-bit	cp062921.exe	Smart Array E208i-a SR Controller	6.45.8.0	6.45.8.0
2045	Smart Storage Administrator (SSA) CLI for Windows 64-bit	cp062921.exe	Smart Array E208i-p SR Controller	6.45.8.0	6.45.8.0
2046	Smart Storage Administrator (SSA) CLI for Windows 64-bit	cp062921.exe	Microchip SR416i-a Cntrl	6.45.8.0	6.45.8.0
2047	Smart Storage Administrator (SSA) CLI for Windows 64-bit	cp062921.exe	Microchip SR932i-p Cntrl	6.45.8.0	6.45.8.0
2048	Smart Storage Administrator (SSA) CLI for Windows 64-bit	cp062921.exe	Smart Array S100i SR	6.45.8.0	6.45.8.0
2049	Smart Storage Administrator (SSA) CLI for Windows 64-bit	cp062921.exe	Smart Array S100i SR	6.45.8.0	6.45.8.0
2050	Smart Storage Administrator (SSA) CLI for Windows 64-bit	cp062921.exe	Smart Array S100i SR	6.45.8.0	6.45.8.0
2051	Smart Storage Administrator (SSA) CLI for Windows 64-bit	cp062921.exe	12Gb SAS Expander Card	6.45.8.0	6.45.8.0
2052	Smart Storage Administrator (SSA) for Linux 64-bit	ssa-6.45-8.0.x86_64.rpm	Smart Array P408i-a SR Controller	6.45.8.0	6.45.8.0
2053	Smart Storage Administrator (SSA) for Linux 64-bit	ssa-6.45-8.0.x86_64.rpm	Smart Array P408i-p SR Controller	6.45.8.0	6.45.8.0
2054	Smart Storage Administrator (SSA) for Linux 64-bit	ssa-6.45-8.0.x86_64.rpm	Smart Array P816i-a SR Controller	6.45.8.0	6.45.8.0
2055	Smart Storage Administrator (SSA) for Linux 64-bit	ssa-6.45-8.0.x86_64.rpm	Smart Array E208e-p SR Controller	6.45.8.0	6.45.8.0
2056	Smart Storage Administrator (SSA) for Linux 64-bit	ssa-6.45-8.0.x86_64.rpm	Smart Array E208i-a SR Controller	6.45.8.0	6.45.8.0
2057	Smart Storage Administrator (SSA) for Linux 64-bit	ssa-6.45-8.0.x86_64.rpm	Smart Array E208i-p SR Controller	6.45.8.0	6.45.8.0
2058	Smart Storage Administrator (SSA) for Linux 64-bit	ssa-6.45-8.0.x86_64.rpm	Smart Array S100i SR	6.45.8.0	6.45.8.0
2059	Smart Storage Administrator (SSA) for Linux 64-bit	ssa-6.45-8.0.x86_64.rpm	Smart Array S100i SR	6.45.8.0	6.45.8.0
2060	Smart Storage Administrator (SSA) for Linux 64-bit	ssa-6.45-8.0.x86_64.rpm	Smart Array S100i SR	6.45.8.0	6.45.8.0
2061	Smart Storage Administrator (SSA) for Linux 64-bit	ssa-6.45-8.0.x86_64.rpm	Microchip SR416i-a Cntrl	6.45.8.0	6.45.8.0

2062	Smart Storage Administrator (SSA) for Linux 64-bit	ssa-6.45-8.0.x86_64.rpm	Microchip SR932i-p Cntrl	6.45.8.0	6.45-8.0
2063	Smart Storage Administrator (SSA) for Linux 64-bit	ssa-6.45-8.0.x86_64.rpm	12Gb SAS Expander Card	6.45.8.0	6.45-8.0
2064	Smart Storage Administrator (SSA) for Windows 64-bit	cp062923.exe	Smart Array P408i-a SR Controller	6.45.8.0	6.45.8.0
2065	Smart Storage Administrator (SSA) for Windows 64-bit	cp062923.exe	Smart Array P408i-p SR Controller	6.45.8.0	6.45.8.0
2066	Smart Storage Administrator (SSA) for Windows 64-bit	cp062923.exe	Smart Array P816i-a SR Controller	6.45.8.0	6.45.8.0
2067	Smart Storage Administrator (SSA) for Windows 64-bit	cp062923.exe	Smart Array E208e-p SR Controller	6.45.8.0	6.45.8.0
2068	Smart Storage Administrator (SSA) for Windows 64-bit	cp062923.exe	Smart Array E208i-a SR Controller	6.45.8.0	6.45.8.0
2069	Smart Storage Administrator (SSA) for Windows 64-bit	cp062923.exe	Smart Array E208i-p SR Controller	6.45.8.0	6.45.8.0
2070	Smart Storage Administrator (SSA) for Windows 64-bit	cp062923.exe	Microchip SR932i-p Cntrl	6.45.8.0	6.45.8.0
2071	Smart Storage Administrator (SSA) for Windows 64-bit	cp062923.exe	Smart Array S100i SR	6.45.8.0	6.45.8.0
2072	Smart Storage Administrator (SSA) for Windows 64-bit	cp062923.exe	Smart Array S100i SR	6.45.8.0	6.45.8.0
2073	Smart Storage Administrator (SSA) for Windows 64-bit	cp062923.exe	Smart Array S100i SR	6.45.8.0	6.45.8.0
2074	Smart Storage Administrator (SSA) for Windows 64-bit	cp062923.exe	Microchip SR416i-a Cntrl	6.45.8.0	6.45.8.0
2075	Smart Storage Administrator (SSA) for Windows 64-bit	cp062923.exe	12Gb SAS Expander Card	6.45.8.0	6.45.8.0
2076	Smart Storage Administrator Diagnostic Utility (SSADU) CLI for Linux 64-bit	ssaducli-6.45-8.0.x86_64.rpm	Smart Array P408i-a SR Controller	6.45.8.0	6.45-8.0
2077	Smart Storage Administrator Diagnostic Utility (SSADU) CLI for Linux 64-bit	ssaducli-6.45-8.0.x86_64.rpm	Smart Array P408i-p SR Controller	6.45.8.0	6.45-8.0
2078	Smart Storage Administrator Diagnostic Utility (SSADU) CLI for Linux 64-bit	ssaducli-6.45-8.0.x86_64.rpm	Smart Array P816i-a SR Controller	6.45.8.0	6.45-8.0
2079	Smart Storage Administrator Diagnostic Utility (SSADU) CLI for Linux 64-bit	ssaducli-6.45-8.0.x86_64.rpm	Smart Array E208e-p SR Controller	6.45.8.0	6.45-8.0
2080	Smart Storage Administrator Diagnostic Utility (SSADU) CLI for Linux 64-bit	ssaducli-6.45-8.0.x86_64.rpm	Smart Array E208i-a SR Controller	6.45.8.0	6.45-8.0
2081	Smart Storage Administrator Diagnostic Utility (SSADU) CLI for Linux 64-bit	ssaducli-6.45-8.0.x86_64.rpm	Smart Array E208i-p SR Controller	6.45.8.0	6.45-8.0
2082	Smart Storage Administrator Diagnostic Utility (SSADU) CLI for Linux 64-bit	ssaducli-6.45-8.0.x86_64.rpm	Smart Array S100i SR	6.45.8.0	6.45-8.0

2083	Smart Storage Administrator Diagnostic Utility (SSADU) CLI for Linux 64-bit	ssaducli-6.45-8.0.x86_64.rpm	Smart Array S100i SR	6.45.8.0	6.45-8.0
2084	Smart Storage Administrator Diagnostic Utility (SSADU) CLI for Linux 64-bit	ssaducli-6.45-8.0.x86_64.rpm	Smart Array S100i SR	6.45.8.0	6.45-8.0
2085	Smart Storage Administrator Diagnostic Utility (SSADU) CLI for Linux 64-bit	ssaducli-6.45-8.0.x86_64.rpm	Microchip SR416i-a Cntrl	6.45.8.0	6.45-8.0
2086	Smart Storage Administrator Diagnostic Utility (SSADU) CLI for Linux 64-bit	ssaducli-6.45-8.0.x86_64.rpm	Microchip SR932i-p Cntrl	6.45.8.0	6.45-8.0
2087	Smart Storage Administrator Diagnostic Utility (SSADU) CLI for Linux 64-bit	ssaducli-6.45-8.0.x86_64.rpm	12Gb SAS Expander Card	6.45.8.0	6.45-8.0
2088	Smart Storage Administrator Diagnostic Utility (SSADU) CLI for Windows 64-bit	cp062922.exe	Smart Array P408i-a SR Controller	6.45.8.0	6.45.8.0
2089	Smart Storage Administrator Diagnostic Utility (SSADU) CLI for Windows 64-bit	cp062922.exe	Smart Array P408i-p SR Controller	6.45.8.0	6.45.8.0
2090	Smart Storage Administrator Diagnostic Utility (SSADU) CLI for Windows 64-bit	cp062922.exe	Smart Array P816i-a SR Controller	6.45.8.0	6.45.8.0
2091	Smart Storage Administrator Diagnostic Utility (SSADU) CLI for Windows 64-bit	cp062922.exe	Smart Array E208e-p SR Controller	6.45.8.0	6.45.8.0
2092	Smart Storage Administrator Diagnostic Utility (SSADU) CLI for Windows 64-bit	cp062922.exe	Smart Array E208i-a SR Controller	6.45.8.0	6.45.8.0
2093	Smart Storage Administrator Diagnostic Utility (SSADU) CLI for Windows 64-bit	cp062922.exe	Smart Array E208i-p SR Controller	6.45.8.0	6.45.8.0
2094	Smart Storage Administrator Diagnostic Utility (SSADU) CLI for Windows 64-bit	cp062922.exe	Smart Array S100i SR	6.45.8.0	6.45.8.0
2095	Smart Storage Administrator Diagnostic Utility (SSADU) CLI for Windows 64-bit	cp062922.exe	Smart Array S100i SR	6.45.8.0	6.45.8.0
2096	Smart Storage Administrator Diagnostic Utility (SSADU) CLI for Windows 64-bit	cp062922.exe	Smart Array S100i SR	6.45.8.0	6.45.8.0
2097	Smart Storage Administrator Diagnostic Utility (SSADU) CLI for Windows 64-bit	cp062922.exe	Microchip SR416i-a Cntrl	6.45.8.0	6.45.8.0
2098	Smart Storage Administrator Diagnostic Utility (SSADU) CLI for Windows 64-bit	cp062922.exe	Microchip SR932i-p Cntrl	6.45.8.0	6.45.8.0
2099	Smart Storage Administrator Diagnostic Utility (SSADU) CLI for Windows 64-bit	cp062922.exe	12Gb SAS Expander Card	6.45.8.0	6.45.8.0



# Package changes

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## Online ROM Flash Component for Linux - System ROM U30

Version: 3.40\_01-16-2025

### Important Notes:

- This version of the System ROM contains updates aligned with the Intel IPU2025.1 updates.
- This version of the System ROM should be paired with Server Platform Services (SPS) Firmware 04.01.05.105.

### Problems Fixed:

- Addressed an issue where the system would use UUID for IPV6 DHCP even when DUID-LLT is selected.
  - Fixed an issue where system may reboot infinitely when a faulty PCIE card was installed.
  - Fixed an issue where the firmware versions of iLO and Backplane showed incorrectly.
  - Addressed an issue where system was not compliant with Windows Server HSTI requirement.
- 

## Online ROM Flash Component for Linux - System ROM U32

Version: 3.40\_01-16-2025

### Important Notes:

- This version of the System ROM contains updates aligned with the Intel IPU2025.1 updates.
- This version of the System ROM should be paired with Server Platform Services (SPS) Firmware 04.01.05.105.

### Problems Fixed:

- Addressed an issue where the system would use UUID for IPV6 DHCP even when DUID-LLT is selected.
  - Fixed an issue where system may reboot infinitely when a faulty PCIE card was installed.
  - Fixed an issue where the firmware versions of iLO and Backplane showed incorrectly.
  - Addressed an issue where system was not compliant with Windows Server HSTI requirement.
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## Online ROM Flash Component for Linux - System ROM U46

Version: 2.34\_03-11-2025

### Important Notes:

- This version of the System ROM contains updates aligned with the Intel Whitley IPU2025.1 updates.
- This version of the System ROM should be paired with Server Platform Services (SPS) Firmware 04.04.04.702.

### Problems Fixed:

- Addressed an issue where the system might RSOD when performing firmware update via Firmware Management Protocol.
  - Addressed an issue where the system might not be able to update SR controller FW with BIOS legacy mode.
  - Addressed an issue where the system might report intel\_th\_pci driver probe failed in a Linux operating system.
  - Addressed an issue where the system might fail to update NVMe drive firmware.
  - Addressed an issue where the system would use UUID for IPV6 DHCP when DUID-LLT is selected.
  - Addressed an issue where the system iLO remote console might hang when the System Utilities Language is set to Japanese.
  - Addressed an issue where the system might bring up a warning message ("ERST: [Firmware Warn]: too many record IDs!") in the Linux environment during boot up.
  - Addressed an issue where the system might log "RESTful API Error - Unable to communicate with iLO FW. BIOS
-

config resources may not be up-to-date".

- Addressed an issue where the system Server Configuration Lock knobs cannot be modified via Redfish.
- Added Zilia DIMM manufacturer ID for SMBIOS information.
- Fixed an issue where the firmware versions of iLO and Backplane showed incorrectly.
- Addressed an issue where system may fail Windows Server HSTI test.
- Addressed an issue where the PCIe link speed of Microchip AROC SR controller (AROC controller) may downgrade.

#### **Enhancements:**

- Added pop-up message for all Intelligent Provisioning boot paths to warn users of the risk of data loss.
- Added new Secure Boot Key Microsoft Option Rom UEFI CA 2023.

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### **Online ROM Flash Component for Windows x64 - System ROM U30**

Version: 3.40\_01-16-2025

#### **Important Notes:**

- This version of the System ROM contains updates aligned with the Intel IPU2025.1 updates.
- This version of the System ROM should be paired with Server Platform Services (SPS) Firmware 04.01.05.105.

#### **Problems Fixed:**

- Addressed an issue where the system would use UUID for IPV6 DHCP even when DUID-LLT is selected.
- Fixed an issue where system may reboot infinitely when a faulty PCIE card was installed.
- Fixed an issue where the firmware versions of iLO and Backplane showed incorrectly.
- Addressed an issue where system was not compliant with Windows Server HSTI requirement.

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### **Online ROM Flash Component for Windows x64 - System ROM U32**

Version: 3.40\_01-16-2025

#### **Important Notes:**

- This version of the System ROM contains updates aligned with the Intel IPU2025.1 updates.
- This version of the System ROM should be paired with Server Platform Services (SPS) Firmware 04.01.05.105.

#### **Problems Fixed:**

- Addressed an issue where the system would use UUID for IPV6 DHCP even when DUID-LLT is selected.
- Fixed an issue where system may reboot infinitely when a faulty PCIE card was installed.
- Fixed an issue where the firmware versions of iLO and Backplane showed incorrectly.
- Addressed an issue where system was not compliant with Windows Server HSTI requirement.

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### **Online ROM Flash Component for Windows x64 - System ROM U46**

Version: 2.34\_03-11-2025

#### **Important Notes:**

- This version of the System ROM contains updates aligned with the Intel Whitley IPU2025.1 updates.
- This version of the System ROM should be paired with Server Platform Services (SPS) Firmware 04.04.04.702.

#### **Problems Fixed:**

- Addressed an issue where the system might RSOD when performing firmware update via Firmware Management Protocol.
- Addressed an issue where the system might not be able to update SR controller FW with BIOS legacy mode.
- Addressed an issue where the system might report intel\_th\_pci driver probe failed in a Linux operating system.

- Addressed an issue where the system might fail to update NVMe drive firmware.
- Addressed an issue where the system would use UUID for IPV6 DHCP when DUID-LLT is selected.
- Addressed an issue where the system iLO remote console might hang when the System Utilities Language is set to Japanese.
- Addressed an issue where the system might bring up a warning message ("ERST: [Firmware Warn]: too many record IDs!") in the Linux environment during boot up.
- Addressed an issue where the system might log "RESTful API Error - Unable to communicate with iLO FW. BIOS config resources may not be up-to-date".
- Addressed an issue where the system Server Configuration Lock knobs cannot be modified via Redfish.
- Added Zilia DIMM manufacturer ID for SMBIOS information.
- Fixed an issue where the firmware versions of iLO and Backplane showed incorrectly.
- Addressed an issue where system may fail Windows Server HSTI test.
- Addressed an issue where the PCIe link speed of Microchip AROC SR controller (AROC controller) may downgrade.

#### **Enhancements:**

- Added pop-up message for all Intelligent Provisioning boot paths to warn users of the risk of data loss.
- Added new Secure Boot Key Microsoft Option Rom UEFI CA 2023.

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### **ROM Flash Firmware Package - System ROM U30**

Version: 3.40\_01-16-2025

#### **Important Notes:**

- This version of the System ROM contains updates aligned with the Intel IPU2025.1 updates.
- This version of the System ROM should be paired with Server Platform Services (SPS) Firmware 04.01.05.105.

#### **Problems Fixed:**

- Addressed an issue where the system would use UUID for IPV6 DHCP even when DUID-LLT is selected.
- Fixed an issue where system may reboot infinitely when a faulty PCIE card was installed.
- Fixed an issue where the firmware versions of iLO and Backplane showed incorrectly.
- Addressed an issue where system was not compliant with Windows Server HSTI requirement.

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### **ROM Flash Firmware Package - System ROM U32**

Version: 3.40\_01-16-2025

#### **Important Notes:**

- This version of the System ROM contains updates aligned with the Intel IPU2025.1 updates.
- This version of the System ROM should be paired with Server Platform Services (SPS) Firmware 04.01.05.105.

#### **Problems Fixed:**

- Addressed an issue where the system would use UUID for IPV6 DHCP even when DUID-LLT is selected.
- Fixed an issue where system may reboot infinitely when a faulty PCIE card was installed.
- Fixed an issue where the firmware versions of iLO and Backplane showed incorrectly.
- Addressed an issue where system was not compliant with Windows Server HSTI requirement.

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### **ROM Flash Firmware Package - System ROM U46**

Version: 2.34\_03-11-2025

### **Important Notes:**

- This version of the System ROM contains updates aligned with the Intel Whitley IPU2025.1 updates.
- This version of the System ROM should be paired with Server Platform Services (SPS) Firmware 04.04.04.702.

### **Problems Fixed:**

- Addressed an issue where the system might RSOD when performing firmware update via Firmware Management Protocol.
- Addressed an issue where the system might not be able to update SR controller FW with BIOS legacy mode.
- Addressed an issue where the system might report intel\_th\_pci driver probe failed in a Linux operating system.
- Addressed an issue where the system might fail to update NVMe drive firmware.
- Addressed an issue where the system would use UUID for IPV6 DHCP when DUID-LLT is selected.
- Addressed an issue where the system iLO remote console might hang when the System Utilities Language is set to Japanese.
- Addressed an issue where the system might bring up a warning message ("ERST: [Firmware Warn]: too many record IDs!") in the Linux environment during boot up.
- Addressed an issue where the system might log "RESTful API Error - Unable to communicate with iLO FW. BIOS config resources may not be up-to-date".
- Addressed an issue where the system Server Configuration Lock knobs cannot be modified via Redfish.
- Added Zilia DIMM manufacturer ID for SMBIOS information.
- Fixed an issue where the firmware versions of iLO and Backplane showed incorrectly.
- Addressed an issue where system may fail Windows Server HSTI test.
- Addressed an issue where the PCIe link speed of Microchip AROC SR controller (AROC controller) may downgrade.

### **Enhancements:**

- Added pop-up message for all Intelligent Provisioning boot paths to warn users of the risk of data loss.
- Added new Secure Boot Key Microsoft Option Rom UEFI CA 2023.

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## **Online ROM Flash Component for Linux - iLO 5**

Version: 3.10

### **Problems Fixed:**

- Fixed an issue where the MCTP retry mechanism in i2c communication failed.
- Fixed an issue where the IPMI boot parameters were not functioning through the BMC IPMI interface.
- Fixed an issue where the Kerberos client advertised insecure encryption (RC4, DES) types and rejected the deprecated ones. As a part of this fix, RC4, DES, and 3DES algorithms are removed from the Kerberos requests.
- Fixed an issue of firmware update failures by increasing the time delay between retries for PCIe VDM transmit buffer.
- Fixed an issue for the sensor values that were reported in the GET\_SENSOR response though these sensors were marked as non-supported in the PDR table.
- Fixed the issue with missing storage controller condition values with the IDA condition for the MIB status array for the SR Controller Smart Array and MR Controller Smart Array.
- Fixed an issue of abnormal noise in the fans during POST across newer iLO 5 firmware versions.
- Fixed an issue where iLO RIBCL queries generated incorrect CAPACITY VALUE responses.
- Fixed an issue where fetching the email details of an LDAP user where DistinguishedName containing special characters were causing the two-factor authentication process to fail.
- Fixed an issue where the hpsetup/secureflash engine reports the iLO 5 firmware update as a failure.
- Fixed the cpqHoMIBStatusArray status issue that did not get updated with proper details when a drive attached to Smart Array P408i-a SR controller failed or degraded.
- Fixed an incorrect AMS status (Not Available) that appeared on the iLO interfaces while operating system indicated

AMS status as running.

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## Online ROM Flash Component for Windows x64 - iLO 5

Version: 3.10

### **Problems Fixed:**

- Fixed an issue where the MCTP retry mechanism in i2c communication failed.
- Fixed an issue where the IPMI boot parameters were not functioning through the BMC IPMI interface.
- Fixed an issue where the Kerberos client advertised insecure encryption (RC4, DES) types and rejected the deprecated ones. As a part of this fix, RC4, DES, and 3DES algorithms are removed from the Kerberos requests.
- Fixed an issue of firmware update failures by increasing the time delay between retries for PCIe VDM transmit buffer.
- Fixed an issue for the sensor values that were reported in the GET\_SENSOR response though these sensors were marked as non-supported in the PDR table.
- Fixed the issue with missing storage controller condition values with the IDA condition for the MIB status array for the SR Controller Smart Array and MR Controller Smart Array.
- Fixed an issue of abnormal noise in the fans during POST across newer iLO 5 firmware versions.
- Fixed an issue where iLO RIBCL queries generated incorrect CAPACITY VALUE responses.
- Fixed an issue where fetching the email details of an LDAP user where DistinguishedName containing special characters were causing the two-factor authentication process to fail.
- Fixed an issue where the hpsetup/secureflash engine reports the iLO 5 firmware update as a failure.
- Fixed the cpqHoMIBstatusArray status issue that did not get updated with proper details when a drive attached to Smart Array P408i-a SR controller failed or degraded.
- Fixed an incorrect AMS status (Not Available) that appeared on the iLO interfaces while operating system indicated AMS status as running.

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## Online ROM Flash Firmware Package - iLO 5

Version: 3.10

### **Problems Fixed:**

- Fixed an issue where the MCTP retry mechanism in i2c communication failed.
- Fixed an issue where the IPMI boot parameters were not functioning through the BMC IPMI interface.
- Fixed an issue where the Kerberos client advertised insecure encryption (RC4, DES) types and rejected the deprecated ones. As a part of this fix, RC4, DES, and 3DES algorithms are removed from the Kerberos requests.
- Fixed an issue of firmware update failures by increasing the time delay between retries for PCIe VDM transmit buffer.
- Fixed an issue for the sensor values that were reported in the GET\_SENSOR response though these sensors were marked as non-supported in the PDR table.
- Fixed the issue with missing storage controller condition values with the IDA condition for the MIB status array for the SR Controller Smart Array and MR Controller Smart Array.
- Fixed an issue of abnormal noise in the fans during POST across newer iLO 5 firmware versions.
- Fixed an issue where iLO RIBCL queries generated incorrect CAPACITY VALUE responses.
- Fixed an issue where fetching the email details of an LDAP user where DistinguishedName containing special characters were causing the two-factor authentication process to fail.
- Fixed an issue where the hpsetup/secureflash engine reports the iLO 5 firmware update as a failure.
- Fixed the cpqHoMIBstatusArray status issue that did not get updated with proper details when a drive attached to Smart Array P408i-a SR controller failed or degraded.
- Fixed an incorrect AMS status (Not Available) that appeared on the iLO interfaces while operating system indicated

AMS status as running.

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### **Identifiers for Intel Xeon E-22xx Processor for Microsoft Windows**

Version: 10.1.19928.8615 (Optional)

#### **Enhancements**

- Updated Supported Environments
- Updated Supported Platforms

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### **Identifiers for Intel Xeon E-23xx Processor for Microsoft Windows**

Version: 10.1.19886.8592 (Optional)

#### **Enhancements**

- Updated Supported Environments

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### **Identifiers for Intel Xeon Scalable Processors (First and Second Generation) for Microsoft Windows**

Version: 10.1.19006.8299 (D) (Optional)

#### **Enhancements**

- Updated Supported Environments

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### **Identifiers for Intel Xeon Scalable Processors (Third Generation) for Microsoft Windows**

Version: 10.1.19879.8585 (B) (Optional)

#### **Enhancements**

- Updated Supported Environments

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### **Broadcom NetXtreme-E Driver for Microsoft Windows Server 2022**

Version: 232.0.155.7 (Recommended)

#### **Important Note!**

- HV recommends the firmware provided in Broadcom Firmware Package for BCM5741x, BCM5750x and BCM5760x adapters, version 232.1.132.8 or later, for use with this driver.

#### **Fixes**

This product fixes the issue where an unused release.txt file was not removed.

#### **Enhancements**

- This product enhances the reporting of a consistent PTP clock for NXE family devices.
- This product enhances device compatibility by adding the necessary PNP ID.

#### **Supported Devices and Features**

This product supports the following network adapters:

- Broadcom BCM57504 Ethernet 10/25Gb 4-port SFP28 Adapter
- Broadcom BCM57504 Ethernet 10/25Gb 4-port SFP28 OCP3 Adapter

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### **Broadcom NetXtreme-E Driver for Microsoft Windows Server 2025**

Version: 232.0.155.7 (Recommended)

#### **Important Note!**

- HV recommends the firmware provided in Broadcom Firmware Package for BCM5741x, BCM5750x and

BCM5760x adapters, version 232.1.132.8 or later, for use with this driver.

### **Fixes**

This product fixes the issue where an unused release.txt file was not removed.

### **Enhancements**

- This product enhances the reporting of a consistent PTP clock for NXE family devices.
- This product enhances device compatibility by adding the necessary PNP ID.

### **Supported Devices and Features**

This product supports the following network adapters:

- Broadcom BCM57504 Ethernet 10/25Gb 4-port SFP28 Adapter
- Broadcom BCM57504 Ethernet 10/25Gb 4-port SFP28 OCP3 Adapter

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## **Broadcom NX1 1Gb Driver for Windows Server x64 Editions**

Version: 221.0.7.0 (B) (Recommended)

### **Important Note!**

- HV recommends the firmware provided in Broadcom NX1 Online Firmware Upgrade Utility for Windows Server x64 Editions, version 5.4.3.0 or later, for use with this driver.

### **Enhancements**

- This product enhances to enable RSS code to support systems with more than 256 CPU cores.
- This product enhances to support Wake-on-LAN with 1G connection.

### **Supported Devices and Features**

This product supports the following network adapters:

- Broadcom BCM5719 Ethernet 1Gb 4-port Base-T Adapter
- Broadcom BCM5719 Ethernet 1Gb 4-port Base-T OCP3 Adapter
- Broadcom BCM5719 Ethernet 1Gb 4-port Base-T LOM Adapter
- Broadcom BCM5720 Ethernet 1Gb 2-port BASE-T LOM Adapter

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## **Broadcom NetXtreme-E Driver for Windows Server 2022**

Version: 232.0.155.7 (Recommended)

### **Important Note!**

### **Fixes**

This product fixes the issue where an unused release.txt file was not removed.

### **Enhancements**

- This product enhances the reporting of a consistent PTP clock for NXE family devices.
- This product enhances device compatibility by adding the necessary PNP ID.

### **Supported Devices and Features**

This product supports the following network adapters:

- Ethernet 10Gb 2-port 535FLR-T Adapter
- Ethernet 10Gb 2-port 535T Adapter
- Ethernet 10/25Gb 2-port 631FLR-SFP28 Adapter
- Ethernet 10/25Gb 2-port 631SFP28 Adapter
- Ethernet 10Gb 2-port 537SFP+ Adapter
- Ethernet 10Gb 2-port 537SFP+ FLR Adapter

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## **Broadcom NetXtreme-E Driver for Windows Server 2025**

Version: 232.0.155.7 (Recommended)

### **Important Note!**

#### **Fixes**

This product fixes the issue where an unused release.txt file was not removed.

#### **Enhancements**

- This product enhances the reporting of a consistent PTP clock for NXE family devices.
- This product enhances device compatibility by adding the necessary PNP ID.

#### **Supported Devices and Features**

This product supports the following network adapters:

- Ethernet 10Gb 2-port 535FLR-T Adapter
- Ethernet 10Gb 2-port 535T Adapter
- Ethernet 10/25Gb 2-port 631FLR-SFP28 Adapter
- Ethernet 10/25Gb 2-port 631SFP28 Adapter
- Ethernet 10Gb 2-port 537SFP+ Adapter
- Ethernet 10Gb 2-port 537SFP+ FLR Adapter

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## **Broadcom NetXtreme-E Drivers for Red Hat Enterprise Linux 8**

Version: 1.10.3-232.0.155.5 (Recommended)

### **Important Note!**

HV recommends the Broadcom NetXtreme-E Firmware Version, 232.1.132008 or later, for use with this driver.

#### **Prerequisites**

This product is required to unload inbox NIC driver before install OOB driver if user want OOB driver to take effect immediately. Otherwise, OOB driver will take effect after system reboot under inbox driver is loaded.

#### **Fixes**

- This product has fixed the ETS validation issue to prevent traffic class (TC) starvation caused by incorrect bandwidth allocation.
- This product fixes the issue where debugfs qp\_info displays the UDP source port value incorrectly.
- This product fixes the issue where the device fails to unregister from PTP during shutdown or suspend.
- This product fixes the issue where IPv6 VXLAN decapsulation was not properly supported.
- This product fixes the issue where out-of-sequence (OOS) packets were being dropped.
- This product fixes the issue where flow priority levels 0-3 were not handled correctly.
- This product fixes the issue where the coredump file decoder crashes when generating a coredump summary.

#### **Enhancements**

- This product enhances to update the installation location for niclilom to the correct path.
- This product enhances functionality by querying DCB settings when the NETDEV\_CHANGE event occurs.

#### **Supported Devices and Features**

This product supports the following network adapters:

- Ethernet 10Gb 2-port 535FLR-T Adapter
- Ethernet 10Gb 2-port 535T Adapter
- Ethernet 10Gb 2-port 537SFP+ Adapter
- Ethernet 10Gb 2-port 537SFP+ FLR Adapter

- Ethernet 10/25Gb 2-port 631FLR-SFP28 Adapter
- Ethernet 10/25Gb 2-port 631SFP28 Adapter
- Broadcom BCM57504 Ethernet 10/25Gb 4-port SFP28 Adapter
- Broadcom BCM57504 Ethernet 10/25Gb 4-port SFP28 OCP3 Adapter

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## **Broadcom NetXtreme-E Drivers for Red Hat Enterprise Linux 9**

Version: 1.10.3-232.0.155.5 (Recommended)

### **Important Note!**

HV recommends the Broadcom NetXtreme-E Firmware Version, 232.1.132008 or later, for use with this driver.

### **Prerequisites**

This product is required to unload inbox NIC driver before install OOB driver if user want OOB driver to take effect immediately. Otherwise, OOB driver will take effect after system reboot under inbox driver is loaded.

### **Fixes**

- This product has fixed the ETS validation issue to prevent traffic class (TC) starvation caused by incorrect bandwidth allocation.
- This product fixes the issue where debugfs qp\_info displays the UDP source port value incorrectly.
- This product fixes the issue where the device fails to unregister from PTP during shutdown or suspend.
- This product fixes the issue where IPv6 VXLAN decapsulation was not properly supported.
- This product fixes the issue where out-of-sequence (OOS) packets were being dropped.
- This product fixes the issue where flow priority levels 0-3 were not handled correctly.
- This product fixes the issue where the coredump file decoder crashes when generating a coredump summary.

### **Enhancements**

- This product enhances to update the installation location for niclilom to the correct path.
- This product enhances functionality by querying DCB settings when the NETDEV\_CHANGE event occurs.

### **Supported Devices and Features**

This product supports the following network adapters:

- Ethernet 10Gb 2-port 535FLR-T Adapter
- Ethernet 10Gb 2-port 535T Adapter
- Ethernet 10Gb 2-port 537SFP+ Adapter
- Ethernet 10Gb 2-port 537SFP+ FLR Adapter
- Ethernet 10/25Gb 2-port 631FLR-SFP28 Adapter
- Ethernet 10/25Gb 2-port 631SFP28 Adapter
- Broadcom BCM57504 Ethernet 10/25Gb 4-port SFP28 Adapter
- Broadcom BCM57504 Ethernet 10/25Gb 4-port SFP28 OCP3 Adapter

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## **Broadcom NetXtreme-E Drivers for VMware vSphere 8.0**

Version: 2025.03.00 (Recommended)

### **Important Note!**

- HV recommends the Broadcom NetXtreme-E Firmware Version, 232.1.132008 or later, for use with this driver.

### **Enhancements**

- This product enhances to add support for Tunnel based TPA (TCP Packet Aggregation).
- This product enhances the coredump feature for generating the summary of a coredump file.

## **Supported Devices and Features**

This product supports the following network adapters:

- Ethernet 10Gb 2-port 535FLR-T Adapter
- Ethernet 10Gb 2-port 535T Adapter
- Ethernet 10Gb 2-port 537SFP+ Adapter
- Ethernet 10Gb 2-port 537SFP+ FLR Adapter
- Ethernet 10/25Gb 2-port 631FLR-SFP28 Adapter
- Ethernet 10/25Gb 2-port 631SFP28 Adapter
- Broadcom BCM57504 Ethernet 10/25Gb 4-port SFP28 Adapter
- Broadcom BCM57504 Ethernet 10/25Gb 4-port SFP28 OCP3 Adapter

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## **Broadcom NetXtreme-E Drivers for VMware vSphere 9.0**

Version: 2025.03.00 (Recommended)

### **Important Note!**

- HV recommends the Broadcom NetXtreme-E Firmware Version, 232.1.132008 or later, for use with this driver.

### **Enhancements**

Initial release.

## **Supported Devices and Features**

This product supports the following network adapters:

- Ethernet 10Gb 2-port 535FLR-T Adapter
- Ethernet 10Gb 2-port 535T Adapter
- Ethernet 10Gb 2-port 537SFP+ Adapter
- Ethernet 10Gb 2-port 537SFP+ FLR Adapter
- Ethernet 10/25Gb 2-port 631FLR-SFP28 Adapter
- Ethernet 10/25Gb 2-port 631SFP28 Adapter
- Broadcom BCM57504 Ethernet 10/25Gb 4-port SFP28 Adapter
- Broadcom BCM57504 Ethernet 10/25Gb 4-port SFP28 OCP3 Adapter

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## **Broadcom NetXtreme-E RoCE Library for Red Hat Enterprise Linux 8 Update 10.**

Version: 232.0.155.5 (Recommended)

### **Prerequisites**

Broadcom NetXtreme-E Drivers for Red Hat Enterprise Linux 8, version 1.10.3- 232.0.155.5 or later, must be installed before installing this product. The libibverbs and rdma-core package must be installed on the target system prior to the installation of the RoCE library. If not already present, the packages can be obtained from the operating system installation media.

### **Fixes**

- This product fixes the issue where Dynamic Interrupt Moderation fails to shut down properly.
- This product fixes the issue where the core dump file decoder crashes when generating the summary of a core dump file.

### **Enhancements**

This product enhances RDMA functionality by enabling the RDMA flag update based on firmware capability.

## **Supported Devices and Features**

This product supports the following network adapters:

- Ethernet 10Gb 2-port 535FLR-T Adapter
- Ethernet 10Gb 2-port 535T Adapter
- Ethernet 10Gb 2-port 537SFP+ Adapter
- Ethernet 10Gb 2-port 537SFP+ FLR Adapter
- Ethernet 10/25Gb 2-port 631FLR-SFP28 Adapter
- Ethernet 10/25Gb 2-port 631SFP28 Adapter
- Broadcom BCM57504 Ethernet 10/25Gb 4-port SFP28 Adapter
- Broadcom BCM57504 Ethernet 10/25Gb 4-port SFP28 OCP3 Adapter

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## **Broadcom NetXtreme-E RoCE Library for Red Hat Enterprise Linux 8 Update 9.**

Version: 232.0.155.5 (Recommended)

### **Prerequisites**

Broadcom NetXtreme-E Drivers for Red Hat Enterprise Linux 8, version 1.10.3- 232.0.155.5 or later, must be installed before installing this product. The libibverbs and rdma-core package must be installed on the target system prior to the installation of the RoCE library. If not already present, the packages can be obtained from the operating system installation media.

### **Fixes**

- This product fixes the issue where Dynamic Interrupt Moderation fails to shut down properly.
- This product fixes the issue where the coredump file decoder crashes when generating the summary of a coredump file.

### **Enhancements**

This product enhances RDMA functionality by enabling the RDMA flag update based on firmware capability.

### **Supported Devices and Features**

This product supports the following network adapters:

- Ethernet 10Gb 2-port 535FLR-T Adapter
- Ethernet 10Gb 2-port 535T Adapter
- Ethernet 10Gb 2-port 537SFP+ Adapter
- Ethernet 10Gb 2-port 537SFP+ FLR Adapter
- Ethernet 10/25Gb 2-port 631FLR-SFP28 Adapter
- Ethernet 10/25Gb 2-port 631SFP28 Adapter
- Broadcom BCM57504 Ethernet 10/25Gb 4-port SFP28 Adapter
- Broadcom BCM57504 Ethernet 10/25Gb 4-port SFP28 OCP3 Adapter

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## **Broadcom NetXtreme-E RoCE Library for Red Hat Enterprise Linux 9 Update 4.**

Version: 232.0.155.5 (Recommended)

### **Prerequisites**

Broadcom NetXtreme-E Drivers for Red Hat Enterprise Linux 9, version 1.10.3- 232.0.155.5 or later, must be installed before installing this product. The libibverbs and rdma-core package must be installed on the target system prior to the installation of the RoCE library. If not already present, the packages can be obtained from the operating system installation media.

### **Fixes**

- This product fixes the issue where Dynamic Interrupt Moderation fails to shut down properly.
- This product fixes the issue where the coredump file decoder crashes when generating the summary of a coredump file.

## **Enhancements**

This product enhances RDMA functionality by enabling the RDMA flag update based on firmware capability.

## **Supported Devices and Features**

This product supports the following network adapters:

- Ethernet 10Gb 2-port 535FLR-T Adapter
- Ethernet 10Gb 2-port 535T Adapter
- Ethernet 10Gb 2-port 537SFP+ Adapter
- Ethernet 10Gb 2-port 537SFP+ FLR Adapter
- Ethernet 10/25Gb 2-port 631FLR-SFP28 Adapter
- Ethernet 10/25Gb 2-port 631SFP28 Adapter
- Broadcom BCM57504 Ethernet 10/25Gb 4-port SFP28 Adapter
- Broadcom BCM57504 Ethernet 10/25Gb 4-port SFP28 OCP3 Adapter

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## **Broadcom NX1 1Gb Driver for Windows Server x64 Editions**

Version: 221.0.7.0 (B) (Recommended)

### **Important Note!**

HV recommends the firmware provided in Broadcom NX1 Online Firmware Upgrade Utility for Windows Server x64 Editions, version 5.4.3.0 or later, for use with this driver.

## **Enhancements**

- This product enhances to enable RSS code to support systems with more than 256 CPU cores.
- This product enhances to support Wake-on-LAN with 1G connection.

## **Supported Devices and Features**

This driver supports the following network adapters:

- Ethernet 1Gb 4-port 331i Adapter (22BE)
- Ethernet 1Gb 4-port 331FLR Adapter
- Ethernet 1Gb 4-port 331T Adapter
- Ethernet 1Gb 2-port 332i Adapter (22E8)
- Ethernet 1Gb 2-port 332T Adapter

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## **Broadcom tg3 Ethernet Drivers for Red Hat Enterprise Linux 8**

Version: 3.139q-1 (Recommended)

### **Important Note!**

HV recommends the firmware provided in NX1 Broadcom Online Firmware Upgrade Utility for Linux x86\_64, version 2.40.x or later, for use with these drivers.

### **Prerequisites**

This product is required to unload inbox NIC driver before install OOB driver if user want OOB driver to take effect immediately. Otherwise, OOB driver will take effect after system reboot under inbox driver is loaded.

### **Fixes**

This product fix issue where tg3 driver doesn't report correct tg3 driver name in dmesg.

## **Supported Devices and Features**

These drivers support the following network adapters:

- Ethernet 1Gb 4-port 331i Adapter (22BE)
- Ethernet 1Gb 4-port 331FLR Adapter

- Ethernet 1Gb 4-port 331T Adapter
- Ethernet 1Gb 2-port 332i Adapter (22E8)
- Ethernet 1Gb 2-port 332T Adapter
- Broadcom BCM5719 Ethernet 1Gb 4-port Base-T Adapter
- Broadcom BCM5719 Ethernet 1Gb 4-port Base-T OCP3 Adapter
- Broadcom BCM5720 Ethernet 1Gb 2-port BASE-T LOM Adapter
- Broadcom BCM5719 Ethernet 1Gb 4-port Base-T LOM Adapter

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## **Broadcom tg3 Ethernet Drivers for Red Hat Enterprise Linux 9**

Version: 3.139q-1 (Recommended)

### **Important Note!**

HV recommends the firmware provided in NX1 Broadcom Online Firmware Upgrade Utility for Linux x86\_64, version 2.40.x or later, for use with these drivers.

### **Prerequisites**

This product is required to unload inbox NIC driver before install OOB driver if user want OOB driver to take effect immediately. Otherwise, OOB driver will take effect after system reboot under inbox driver is loaded.

### **Fixes**

This product fix issue where tg3 driver doesn't report correct tg3 driver name in dmesg.

### **Supported Devices and Features**

These drivers support the following network adapters:

- Ethernet 1Gb 4-port 331i Adapter (22BE)
- Ethernet 1Gb 4-port 331FLR Adapter
- Ethernet 1Gb 4-port 331T Adapter
- Ethernet 1Gb 2-port 332i Adapter (22E8)
- Ethernet 1Gb 2-port 332T Adapter
- Broadcom BCM5719 Ethernet 1Gb 4-port Base-T Adapter
- Broadcom BCM5719 Ethernet 1Gb 4-port Base-T OCP3 Adapter
- Broadcom BCM5720 Ethernet 1Gb 2-port BASE-T LOM Adapter
- Broadcom BCM5719 Ethernet 1Gb 4-port Base-T LOM Adapter

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## **Intel E1R Driver for Windows Server 2019**

Version: 14.0.5.0 (Recommended)

### **Important Note!**

HV recommends the firmware provided in Intel Online Firmware Upgrade Utility for Windows Server x64 Editions, version 5.4.2.0 or later, for use with this driver.

### **Enhancements**

This product enhanced the compatibility with firmware of Fortville 9.5.

### **Supported Devices and Features**

This driver supports the following Intel E1R network adapters:

- Ethernet 1Gb 2-port 361i Adapter
- Ethernet 1Gb 2-port 361T Adapter
- Ethernet 1Gb 4-port 366FLR Adapter
- Ethernet 1Gb 4-port 366T Adapter

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## Intel E1R Driver for Windows Server 2022

Version: 14.0.5.0 (B) (Recommended)

### **Important Note!**

HV recommends the firmware provided in Intel Online Firmware Upgrade Utility for Windows Server x64 Editions, version 5.4.2.0 or later, for use with this driver.

### **Enhancements**

This product now supports Azure Stack HCI OS.

### **Supported Devices and Features**

This driver supports the following Intel E1R network adapters:

- Ethernet 1Gb 2-port 361i Adapter
- Ethernet 1Gb 2-port 361T Adapter
- Ethernet 1Gb 4-port 366FLR Adapter
- Ethernet 1Gb 4-port 366T Adapter

---

## Intel E1R Driver for Windows Server 2025

Version: 14.1.5.0 (Recommended)

### **Important Note!**

HV recommends the firmware provided in Intel Online Firmware Upgrade Utility for Windows Server x64 Editions, version 5.4.3.0 or later, for use with this driver.

### **Enhancements**

Initial version.

### **Supported Devices and Features**

This driver supports the following HV Intel E1R network adapters:

- Ethernet 1Gb 2-port 361i Adapter
- Ethernet 1Gb 2-port 361T Adapter
- Ethernet 1Gb 4-port 366FLR Adapter
- Ethernet 1Gb 4-port 366T Adapter

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## Intel i40e Drivers for Red Hat Enterprise Linux 8

Version: 2.26.8-1 (Recommended)

### **Important Note!**

HV recommends the firmware provided in Intel Online Firmware Upgrade Utility for Linux x86\_64, version 1.32.0 or later, for use with these drivers.

### **Fixes**

This product fixes warning message: index 1 is out of range.

### **Supported Devices and Features**

This product supports the following network adapters:

- Ethernet 1Gb 4-port 369i Adapter
- Ethernet 10Gb 2-port 562FLR-SFP+ Adapter
- Ethernet 10Gb 2-port 562SFP+ Adapter
- Ethernet 10Gb 2-port SFP+ OCP3 X710-DA2 Adapter
- Ethernet 10Gb 2-port SFP+ X710-DA2 Adapter

---

## Intel i40e Drivers for Red Hat Enterprise Linux 9

Version: 2.26.8-1 (Recommended)

### **Important Note!**

HV recommends the firmware provided in Intel Online Firmware Upgrade Utility for Linux x86\_64, version 1.32.0 or later, for use with these drivers.

### **Fixes**

This product fixes warning message: index 1 is out of range.

### **Supported Devices and Features**

This product supports the following network adapters:

- Ethernet 1Gb 4-port 369i Adapter
- Ethernet 10Gb 2-port 562FLR-SFP+ Adapter
- Ethernet 10Gb 2-port 562SFP+ Adapter

---

## Intel i40ea Driver for Windows Server 2019

Version: 1.19.164.0 (Recommended)

### **Important Note!**

HV recommends the firmware provided in Intel Online Firmware Upgrade Utility for Windows Server x64 Editions, version 5.4.2.0 or later, for use with this driver.

### **Enhancements**

This product enhanced the compatibility with firmware of Fortville 9.5.

### **Supported Devices and Features**

This product supports the following network adapters:

- Ethernet 10Gb 2-port 562FLR-SFP+ Adapter
- Ethernet 10Gb 2-port 562SFP+ Adapter

---

## Intel i40ea Driver for Windows Server 2022

Version: 1.19.165.0 (B) (Recommended)

### **Important Note!**

HV recommends the firmware provided in Intel Online Firmware Upgrade Utility for Windows Server x64 Editions, version 5.4.2.0 or later, for use with this driver.

### **Enhancements**

This product now supports Azure Stack HCI OS.

### **Supported Devices and Features**

This product supports the following network adapters:

- Ethernet 10Gb 2-port 562FLR-SFP+ Adapter
- Ethernet 10Gb 2-port 562SFP+ Adapter

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## Intel i40eb Driver for Windows Server 2019

Version: 1.19.164.0 (Recommended)

### **Important Note!**

HV recommends the firmware provided in Intel Online Firmware Upgrade Utility for Windows Server x64 Editions, version 5.4.2.0 or later, for use with this driver.

### **Enhancements**

This product enhanced the compatibility with firmware of Fortville 9.5.

### **Supported Devices and Features**

This product supports the following network adapters:

- Ethernet 1Gb 4-port 369i Adapter
- 

### **Intel i40eb Driver for Windows Server 2022**

Version: 1.19.164.0 (B) (Recommended)

### **Important Note!**

HV recommends the firmware provided in Intel Online Firmware Upgrade Utility for Windows Server x64 Editions, version 5.4.2.0 or later, for use with this driver.

### **Enhancements**

This product now supports Azure Stack HCI OS.

### **Supported Devices and Features**

This product supports the following network adapters:

- Ethernet 1Gb 4-port 369i Adapter
- 

### **Intel i40eb Driver for Windows Server 2025**

Version: 1.19.267.0 (Recommended)

### **Important Note!**

HV recommends the firmware provided in Intel Online Firmware Upgrade Utility for Windows Server x64 Editions, version 5.4.3.0 or later, for use with this driver.

### **Enhancements**

Initial version.

### **Supported Devices and Features**

This product supports the following network adapters:

- Ethernet 1Gb 4-port 369i Adapter
- 

### **Intel i40en Driver for VMware vSphere 8.0**

Version: 2024.11.00 (Recommended)

### **Important Note!**

HV recommends the firmware provided in Intel Online Firmware Upgrade Utility for VMware, version 3.25.0 or later, for use with this driver.

### **Fixes**

- This product addressed the multicast traffic handling on PF0.
- This product addressed the per-queue statistics for native mode.

### **Supported Devices and Features**

This product supports the following network adapters:

- Ethernet 1Gb 4-port 369i Adapter
  - Ethernet 10Gb 2-port 562FLR-SFP+ Adapter
  - Ethernet 10Gb 2-port 562SFP+ Adapter
  - Ethernet 10Gb 2-port SFP+ OCP3 X710-DA2 Adapter
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- Ethernet 10Gb 2-port SFP+ X710-DA2 Adapter
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### **Intel i40en Driver for VMware vSphere 9.0**

Version: 2025.03.00 (Recommended)

#### **Important Note!**

HV recommends the firmware provided in Intel Online Firmware Upgrade Utility for VMware, version 3.25.0 or later, for use with this driver.

#### **Enhancements**

Initial version for VMware 9.0.

#### **Supported Devices and Features**

This product supports the following network adapters:

- Ethernet 1Gb 4-port 369i Adapter
  - Ethernet 10Gb 2-port 562FLR-SFP+ Adapter
  - Ethernet 10Gb 2-port 562SFP+ Adapter
  - Ethernet 10Gb 2-port SFP+ OCP3 X710-DA2 Adapter
  - Ethernet 10Gb 2-port SFP+ X710-DA2 Adapter
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### **Intel iavf Drivers for Red Hat Enterprise Linux 8**

Version: 4.12.5-1 (Recommended)

#### **Important Note!**

HV recommends the firmware provided below,

- Intel Online Firmware Upgrade Utility for Linux x86\_64, version 1.32.0 or later, for use with these drivers.
- Intel Online Firmware Upgrade Utility for Linux x86\_64, version 1.32.0 or later, for use with these drivers.
- Intel Firmware Package For E810, version 4.60 or later for use with these drivers.

#### **Fixes**

This product fixes the ethtool set\_channels timeout when RDMA is loaded.

#### **Enhancements**

This product now sets the minimum number of allocated queues to 4.

#### **Supported Devices and Features**

This product supports the following network adapters:

- Ethernet 1Gb 4-port 369i Adapter
  - Ethernet 10Gb 2-port 562FLR-SFP+ Adapter
  - Ethernet 10Gb 2-port 562SFP+ Adapter
  - Ethernet 10Gb 2-port SFP+ OCP3 X710-DA2 Adapter
  - Ethernet 10Gb 2-port SFP+ X710-DA2 Adapter
  - Intel E810-2CQDA2 Ethernet 100Gb 2-port QSFP28 Adapter
  - Intel E810-CQDA2 Ethernet 100Gb 2-port QSFP28 Adapter
  - Intel E810-CQDA2 Ethernet 100Gb 2-port QSFP28 OCP3 Adapter
  - Intel E810-XXVDA2 Ethernet 10/25Gb 2-port SFP28 Adapter
  - Intel E810-XXVDA2 Ethernet 10/25Gb 2-port SFP28 OCP3 Adapter
  - Intel E810-XXVDA4 Ethernet 10/25Gb 4-port SFP28 Adapter
  - Intel E810-XXVDA4 Ethernet 10/25Gb 4-port SFP28 MCLK Adapter
  - Intel E810-XXVDA4 Ethernet 10/25Gb 4-port SFP28 OCP3 Adapter
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## Intel iavf Drivers for Red Hat Enterprise Linux 9

Version: 4.12.5-1 (B) (Recommended)

### Important Note!

HV recommends the firmware provided below,

- Intel Online Firmware Upgrade Utility for Linux x86\_64, version 1.32.0 or later, for use with these drivers.
- Intel Online Firmware Upgrade Utility for Linux x86\_64, version 1.32.0 or later, for use with these drivers.
- Intel Firmware Package For E810, version 4.60 or later for use with these drivers.

### Enhancements

This product is now supported on a new platform.

### Supported Devices and Features

This product supports the following network adapters:

- Ethernet 1Gb 4-port 369i Adapter
- Ethernet 10Gb 2-port 562FLR-SFP+ Adapter
- Ethernet 10Gb 2-port 562SFP+ Adapter
- Ethernet 10Gb 2-port SFP+ OCP3 X710-DA2 Adapter
- Ethernet 10Gb 2-port SFP+ X710-DA2 Adapter
- Intel E810-2CQDA2 Ethernet 100Gb 2-port QSFP28 Adapter
- Intel E810-CQDA2 Ethernet 100Gb 2-port QSFP28 Adapter
- Intel E810-CQDA2 Ethernet 100Gb 2-port QSFP28 OCP3 Adapter
- Intel E810-XXVDA2 Ethernet 10/25Gb 2-port SFP28 Adapter
- Intel E810-XXVDA2 Ethernet 10/25Gb 2-port SFP28 OCP3 Adapter
- Intel E810-XXVDA4 Ethernet 10/25Gb 4-port SFP28 Adapter
- Intel E810-XXVDA4 Ethernet 10/25Gb 4-port SFP28 MCLK Adapter
- Intel E810-XXVDA4 Ethernet 10/25Gb 4-port SFP28 OCP3 Adapter

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## Intel igb Drivers for Red Hat Enterprise Linux 8

Version: 6.17.4-1 (Recommended)

### Important Note!

HV recommends the firmware provided in Intel Online Firmware Upgrade Utility for Linux x86\_64, version 1.32.0 or later, for use with these drivers.

### Fixes

This product fixes the kernel compilation issue.

### Supported Devices and Features

These drivers support the following network adapters:

- Ethernet 1Gb 2-port 361T Adapter
- Ethernet 1Gb 2-port 361i Adapter
- Ethernet 1Gb 4-port 366FLR Adapter
- Ethernet 1Gb 4-port 366T Adapter
- Intel I350-T4 Ethernet 1Gb 4-port BASE-T Adapter
- Intel I350-T4 Ethernet 1Gb 4-port BASE-T OCP3 Adapter
- Intel(R) I350 Gigabit Network Connection

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## Intel igb Drivers for Red Hat Enterprise Linux 9

Version: 5.17.4-1 (Recommended)

### **Important Note!**

HV recommends the firmware provided in Intel Online Firmware Upgrade Utility for Linux x86\_64, version 1.32.0 or later, for use with these drivers.

### **Fixes**

This product fixes the kernel compilation issue.

### **Supported Devices and Features**

These drivers support the following network adapters:

- Ethernet 1Gb 2-port 361T Adapter
- Ethernet 1Gb 2-port 361i Adapter
- Ethernet 1Gb 4-port 366FLR Adapter
- Ethernet 1Gb 4-port 366T Adapter
- Intel I350-T4 Ethernet 1Gb 4-port BASE-T Adapter
- Intel I350-T4 Ethernet 1Gb 4-port BASE-T OCP3 Adapter
- Intel(R) I350 Gigabit Network Connection

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## Intel igbn Driver for VMware vSphere 8.0

Version: 2024.09.00 (Recommended)

### **Important Note!**

HV recommends the firmware provided in Intel Online Firmware Upgrade Utility for VMware, version 3.24.0 or later, for use with this driver.

### **Enhancements**

This product added support to new HA800 G3 servers.

### **Supported Devices and Features**

These drivers support the following network adapters:

- Ethernet 1Gb 2-port 361T Adapter
- Ethernet 1Gb 2-port 361i Adapter
- Ethernet 1Gb 4-port 366FLR Adapter
- Ethernet 1Gb 4-port 366T Adapter
- Intel I350-T4 Ethernet 1Gb 4-port BASE-T Adapter
- Intel I350-T4 Ethernet 1Gb 4-port BASE-T OCP3 Adapter
- Intel(R) I350 Gigabit Network Connection

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## Intel igbn Driver for VMware vSphere 9.0

Version: 2025.03.00 (Recommended)

### **Important Note!**

HV recommends the firmware provided in Intel Online Firmware Upgrade Utility for VMware, version 3.24.0 or later, for use with this driver.

### **Enhancements**

Initial version.

## **Supported Devices and Features**

These drivers support the following network adapters:

- Ethernet 1Gb 2-port 361T Adapter
- Ethernet 1Gb 2-port 361i Adapter
- Ethernet 1Gb 4-port 366FLR Adapter
- Ethernet 1Gb 4-port 366T Adapter
- Intel I350-T4 Ethernet 1Gb 4-port BASE-T Adapter
- Intel I350-T4 Ethernet 1Gb 4-port BASE-T OCP3 Adapter
- Intel(R) I350 Gigabit Network Connection

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## **Intel ixgbe Drivers for Red Hat Enterprise Linux 8**

Version: 5.21.5-1 (Recommended)

### **Important Note!**

HV recommends the firmware provided in Intel Online Firmware Upgrade Utility for Linux x86\_64, version 1.32.0 or later, for use with these drivers.

### **Fixes**

This product fixes the kernel compilation issue.

## **Supported Devices and Features**

These drivers support the following network adapters:

- Ethernet 10Gb 2-port 562T Adapter
- Ethernet 10Gb 2-port 562FLR-T Adapter

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## **Intel ixgbe Drivers for Red Hat Enterprise Linux 9**

Version: 5.21.5-1 (Recommended)

### **Important Note!**

HV recommends the firmware provided in Intel Online Firmware Upgrade Utility for Linux x86\_64, version 1.32.0 or later, for use with these drivers.

### **Fixes**

This product fixes the kernel compilation issue.

## **Supported Devices and Features**

These drivers support the following network adapters:

- Ethernet 10Gb 2-port 562T Adapter
- Ethernet 10Gb 2-port 562FLR-T Adapter

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## **Intel ixgben Driver for VMware vSphere 8.0**

Version: 2024.03.00 (Recommended)

### **Important Note!**

HV recommends the firmware provided in Intel Online Firmware Upgrade Utility for VMware, version 3.23.0 or later, for use with this driver.

### **Enhancements**

This product enhanced the compatibility with firmware of Fortville 9.4.

## **Supported Devices and Features**

These drivers support the following network adapters:

- Ethernet 10Gb 2-port 562T Adapter
  - Ethernet 10Gb 2-port 562FLR-T Adapter
- 

## **Intel ixgben Driver for VMware vSphere 9.0**

Version: 2025.03.00 (Recommended)

### **Important Note!**

HV recommends the firmware provided in Intel Online Firmware Upgrade Utility for VMware, version 3.23.0 or later, for use with this driver.

### **Enhancements**

Initial version for VMware 9.0.

## **Supported Devices and Features**

These drivers support the following network adapters:

- Ethernet 10Gb 2-port 562T Adapter
  - Ethernet 10Gb 2-port 562FLR-T Adapter
- 

## **Intel ixgbev Drivers for Red Hat Enterprise Linux 8**

Version: 4.20.5-1 (Recommended)

### **Important Note!**

HV recommends the firmware provided in HV Intel Online Firmware Upgrade Utility for Linux x86\_64, version 1.32.0 or later, for use with these drivers.

### **Fixes**

This product fixes the kernel compilation issue.

## **Supported Devices and Features**

These drivers support the following network adapters:

- Ethernet 10Gb 2-port 562T Adapter
  - Ethernet 10Gb 2-port 562FLR-T Adapter
- 

## **Intel ixgbev Drivers for Red Hat Enterprise Linux 9**

Version: 4.20.5-1 (Recommended)

### **Important Note!**

HV recommends the firmware provided in Intel Online Firmware Upgrade Utility for Linux x86\_64, version 1.32.0 or later, for use with these drivers.

### **Fixes**

This product fixes the kernel compilation issue.

## **Supported Devices and Features**

These drivers support the following network adapters:

- Ethernet 10Gb 2-port 562T Adapter
  - Ethernet 10Gb 2-port 562FLR-T Adapter
-

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## Intel ixs Driver for Windows Server 2019

Version: 4.1.254.0 (Recommended)

### **Important Note!**

HV recommends the firmware provided in Intel Online Firmware Upgrade Utility for Windows Server x64 Editions, version 5.4.2.0 or later, for use with this driver.

### **Enhancements**

This product enhanced the compatibility with the new firmware.

### **Supported Devices and Features**

This driver supports the following network adapters:

- Ethernet 10Gb 2-port 562FLR-T Adapter
- Ethernet 10Gb 2-port 562T Adapter

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## Intel ixs Driver for Windows Server 2022

Version: 4.1.254.0 (B) (Recommended)

### **Important Note!**

HV recommends the firmware provided in Intel Online Firmware Upgrade Utility for Windows Server x64 Editions, version 5.4.2.0 or later, for use with this driver.

### **Enhancements**

This product now supports Azure Stack HCI OS.

### **Supported Devices and Features**

This driver supports the following network adapters:

- Ethernet 10Gb 2-port 562FLR-T Adapter
- Ethernet 10Gb 2-port 562T Adapter

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## Intel ixs Driver for Windows Server 2025

Version: 4.2.6.0 (Recommended)

### **Important Note!**

HV recommends the firmware provided in Intel Online Firmware Upgrade Utility for Windows Server x64 Editions, version 5.4.3.0 or later, for use with this driver.

### **Enhancements**

Initial version.

### **Supported Devices and Features**

This driver supports the following network adapters:

- Ethernet 10Gb 2-port 562FLR-T Adapter
- Ethernet 10Gb 2-port 562T Adapter

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## Mellanox CX4LX and CX5 Driver for Microsoft Windows Server 2019

Version: 24.10.26603.0 (Recommended)

### **Fixes**

- This product fixed an issue that prevented the VF diagnostic counters from being shown when assigned a VF from multiple adapters to the same VM, queried for counters and removed all VFs from one adapter.
- This product fixed a rare case when polling returns wrong request context.

## **Enhancements**

- Added a new counter "Allocated Memory Pages" to show the number of memory pages (4KB) allocated to the firmware from the host system.
- MlxNdPerf now supports bandwidth tests with multiple QPs.
- Added support for dynamic steering rule insertion in DevX interface.

## **Supported Devices and Features**

This driver supports the following network adapters:

- Ethernet 25Gb 2-port 640SFP28 Adapter
- Ethernet 25Gb 2-port 640 FLR-SFP28 Adapter

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## **Mellanox CX4LX and CX5 Driver for Microsoft Windows Server 2022**

Version: 24.10.26603.0 (Recommended)

### **Fixes**

- This product fixed an issue that prevented the VF diagnostic counters from being shown when assigned a VF from multiple adapters to the same VM, queried for counters and removed all VFs from one adapter.
- This product fixed a rare case when polling returns wrong request context.

### **Enhancements**

- Added a new counter "Allocated Memory Pages" to show the number of memory pages (4KB) allocated to the firmware from the host system.
- MlxNdPerf now supports bandwidth tests with multiple QPs.
- Added support for dynamic steering rule insertion in DevX interface.

### **Supported Devices and Features**

This driver supports the following network adapters:

- Ethernet 25Gb 2-port 640SFP28 Adapter
- Ethernet 25Gb 2-port 640 FLR-SFP28 Adapter

---

## **Mellanox CX4LX and CX5 Driver for Microsoft Windows Server 2025**

Version: 24.10.26603.0 (Recommended)

### **Fixes**

- This product fixed an issue that prevented the VF diagnostic counters from being shown when assigned a VF from multiple adapters to the same VM, queried for counters and removed all VFs from one adapter.
- This product fixed a rare case when polling returns wrong request context.

### **Enhancements**

- Added a new counter "Allocated Memory Pages" to show the number of memory pages (4KB) allocated to the firmware from the host system.
- MlxNdPerf now supports bandwidth tests with multiple QPs.
- Added support for dynamic steering rule insertion in DevX interface.

### **Supported Devices and Features**

This driver supports the following network adapters:

- Ethernet 25Gb 2-port 640SFP28 Adapter
- Ethernet 25Gb 2-port 640 FLR-SFP28 Adapter

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## **Mellanox MFT prerequisite RPMs for Mellanox adapter firmware update in Secure Boot mode for Red Hat Enterprise Linux 8 Update 10 (x86\_64)**

Version: 4.30.0-139 (Optional)

### **Fixes**

MFT prerequisite RPMs for Mellanox adapter firmware update in Secure Boot mode.

### **Enhancements**

MFT prerequisite RPMs for Mellanox adapter firmware update in Secure Boot mode.

### **Supported Devices and Features**

SUPPORTED KERNELS:The kernels of Red Hat Enterprise Linux 8 update 10 (x86\_64) supported by this binary rpm are:4.18.0-553.el8\_10 - (x86\_64) and future update kernels.

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## **Mellanox MFT prerequisite RPMs for Mellanox adapter firmware update in Secure Boot mode for Red Hat Enterprise Linux 8 Update 9 (x86\_64)**

Version: 4.30.0-139 (Optional)

### **Fixes**

MFT prerequisite RPMs for Mellanox adapter firmware update in Secure Boot mode.

### **Enhancements**

MFT prerequisite RPMs for Mellanox adapter firmware update in Secure Boot mode.

### **Supported Devices and Features**

SUPPORTED KERNELS:The kernels of Red Hat Enterprise Linux 8 update 9 (x86\_64) supported by this binary rpm are:4.18.0-513.5.1.el8\_9 - (x86\_64) and future update kernels.

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## **Mellanox MFT prerequisite RPMs for Mellanox adapter firmware update in Secure Boot mode for Red Hat Enterprise Linux 9 Update 4 (x86\_64)**

Version: 4.30.0-139 (Optional)

### **Fixes**

MFT prerequisite RPMs for Mellanox adapter firmware update in Secure Boot mode.

### **Enhancements**

MFT prerequisite RPMs for Mellanox adapter firmware update in Secure Boot mode.

### **Supported Devices and Features**

SUPPORTED KERNELS:The kernels of Red Hat Enterprise Linux 9 update 4 (x86\_64) supported by this binary rpm are:5.14.0-427.13.1.el9\_4- (x86\_64) and future update kernels.

Version: 4.30.1-8 (Optional)

### **Fixes**

MFT prerequisite RPMs for Mellanox adapter firmware update in Secure Boot mode.

### **Enhancements**

MFT prerequisite RPMs for Mellanox adapter firmware update in Secure Boot mode.

### **Supported Devices and Features**

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## **Hat Enterprise Linux 8 Update 10 (x86\_64)**

Version: 24.10-0.7.0.1 (Recommended)

## **Important Note!**

Mellanox Ethernet + RoCE Linux driver (mlnx-ofa\_kernel RPMs) supports only Ethernet mode of operation with RoCE (RDMA over Converged Ethernet) functionality Mellanox Ethernet-only adapters and Mellanox VPI (Virtual Protocol Interconnect) adapters configured to operate in Ethernet mode. For customers requiring complete InfiniBand functionality or "InfiniBand + Ethernet" modes of operation on the same node, install signed MLNX-OFED drivers from Linux Software Delivery Repository.

## **Fixes**

The following issues have been fixed in version 24.10-0.7.0.1:

- The udev rule included an invalid line in its syntax that triggered the error message: "/usr/lib/udev/rules.d/90-ib.rules:4 Only network interfaces can be renamed".
- "rdma-core" build failure due to the following symbol issues in rdma-core: 1) mad\_register\_port\_client() symbol did not need to be exported 2) The XDR speed decoding functions were not properly exported.
- When trying to configure the initiator/responder depth to 12, the driver actually configured the depth to 8 (power of 2 rounded down), and the user received an RDMA NAK when RDMA read requests were posted.

## **Enhancements**

The following new features and changes have been included in version 24.10-0.7.0.1:

- [Beta] Added support for QoS scheduling across multiple E-Switches grouped in a LAG. VPort members of a Physical Function can be added to a rate group from another Physical Function and rate limits of the group will apply to those VPort members as well.
- Added kernel support for monitoring RDMA events from userspace. Using the netlink or the RDMA tool, users will be able to monitor the InfiniBand device events and changes such as device register, device unregister and netdev attachment/detachment.
- Added the "irqs" directory inside the SF sysfs directory to provide the users information about the mapping of SFs and their IRQs.
- Added support for setting a maximum number of completion EQs for SFs.
- Added support for up to 23 bits for uar\_page\_index in create\_cq flow. This allows the user to perform create\_cq with a uar\_page\_index larger than 2^16 as supported by the hardware/firmware.
- [Beta] Added support for specifying bandwidth proportions between traffic classes (TC) in the devlink-rate API. This new option allows users to allocate bandwidth across multiple traffic classes in a single command. This feature provides a more granular control over traffic management, especially for scenarios requiring Enhanced Transmission Selection. Users can now define a specific bandwidth share for each traffic class, such as allocating 20% for TC0 (TCP/UDP) and 80% for TC5 (RoCE).

## **Supported Devices and Features**

SUPPORTED KERNELS: The kernels of Red Hat Enterprise Linux 8 update 10 (x86\_64) supported by this binary rpm are:

- 4.18.0-553.el8\_10 (x86\_64) and future update kernels.

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## **Mellanox RoCE ConnectX-4, ConnectX-5, ConnectX-6 and ConnectX-7 Driver for Red Hat Enterprise Linux 8 Update 9 (x86\_64)**

Version: 24.10-0.7.0.1 (Recommended)

## **Important Note!**

Mellanox Ethernet + RoCE Linux driver (mlnx-ofa\_kernel RPMs) supports only Ethernet mode of operation with RoCE (RDMA over Converged Ethernet) functionality Mellanox Ethernet-only adapters and Mellanox VPI (Virtual Protocol Interconnect) adapters configured to operate in Ethernet mode. For customers requiring complete InfiniBand functionality or "InfiniBand + Ethernet" modes of operation on the same node, install signed MLNX-OFED drivers

from Linux Software Delivery Repository.

## **Fixes**

The following issues have been fixed in version 24.10-0.7.0.1:

- The udev rule included an invalid line in its syntax that triggered the error message: `"/usr/lib/udev/rules.d/90-ib.rules:4 Only network interfaces can be renamed"`.
- "rdma-core" build failure due to the following symbol issues in rdma-core: 1) `mad_register_port_client()` symbol did not need to be exported 2) The XDR speed decoding functions were not properly exported.
- When trying to configure the initiator/responder depth to 12, the driver actually configured the depth to 8 (power of 2 rounded down), and the user received an RDMA NAK when RDMA read requests were posted.

## **Enhancements**

The following new features and changes have been included in version 24.10-0.7.0.1:

- [Beta] Added support for QoS scheduling across multiple E-Switches grouped in a LAG. VPort members of a Physical Function can be added to a rate group from another Physical Function and rate limits of the group will apply to those VPort members as well.
- Added kernel support for monitoring RDMA events from userspace. Using the netlink or the RDMA tool, users will be able to monitor the InfiniBand device events and changes such as device register, device unregister and netdev attachment/detachment.
- Added the "irqs" directory inside the SF sysfs directory to provide the users information about the mapping of SFs and their IRQs.
- Added support for setting a maximum number of completion EQs for SFs.
- Added support for up to 23 bits for `uar_page_index` in `create_cq` flow. This allows the user to perform `create_cq` with a `uar_page_index` larger than  $2^{16}$  as supported by the hardware/firmware.
- [Beta] Added support for specifying bandwidth proportions between traffic classes (TC) in the `devlink-rate` API. This new option allows users to allocate bandwidth across multiple traffic classes in a single command. This feature provides a more granular control over traffic management, especially for scenarios requiring Enhanced Transmission Selection. Users can now define a specific bandwidth share for each traffic class, such as allocating 20% for TC0 (TCP/UDP) and 80% for TC5 (RoCE).

## **Supported Devices and Features**

SUPPORTED KERNELS: The kernels of Red Hat Enterprise Linux 8 update 9 (x86\_64) supported by this binary rpm are:

- 4.18.0-513.5.1.el8\_9 (x86\_64) and future update kernels.

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## **Mellanox RoCE ConnectX-4, ConnectX-5, ConnectX-6 and ConnectX-7 Driver for Red Hat Enterprise Linux 9 Update 4 (x86\_64)**

Version: 24.10-0.7.0.1 (Recommended)

### **Important Note!**

Mellanox Ethernet + RoCE Linux driver (mlnx-ofa\_kernel RPMs) supports only Ethernet mode of operation with RoCE (RDMA over Converged Ethernet) functionality Mellanox Ethernet-only adapters and Mellanox VPI (Virtual Protocol Interconnect) adapters configured to operate in Ethernet mode. For customers requiring complete InfiniBand functionality or "InfiniBand + Ethernet" modes of operation on the same node, install signed MLNX-OFED drivers from Linux Software Delivery Repository.

## **Fixes**

The following issues have been fixed in version 24.10-0.7.0.1:

- The udev rule included an invalid line in its syntax that triggered the error message: `"/usr/lib/udev/rules.d/90-ib.rules:4 Only network interfaces can be renamed"`.
- "rdma-core" build failure due to the following symbol issues in rdma-core: 1) `mad_register_port_client()`

- symbol did not need to be exported 2) The XDR speed decoding functions were not properly exported.
- When trying to configure the initiator/responder depth to 12, the driver actually configured the depth to 8 (power of 2 rounded down), and the user received an RDMA NAK when RDMA read requests were posted.

### **Enhancements**

The following new features and changes have been included in version 24.10-0.7.0.1:

- [Beta] Added support for QoS scheduling across multiple E-Switches grouped in a LAG. VPort members of a Physical Function can be added to a rate group from another Physical Function and rate limits of the group will apply to those VPort members as well.
- Added kernel support for monitoring RDMA events from userspace. Using the netlink or the RDMA tool, users will be able to monitor the InfiniBand device events and changes such as device register, device unregister and netdev attachment/detachment.
- Added the "irqs" directory inside the SF sysfs directory to provide the users information about the mapping of SFs and their IRQs.
- Added support for setting a maximum number of completion EQs for SFs.
- Added support for up to 23 bits for uar\_page\_index in create\_cq flow. This allows the user to perform create\_cq with a uar\_page\_index larger than 2<sup>16</sup> as supported by the hardware/firmware.
- [Beta] Added support for specifying bandwidth proportions between traffic classes (TC) in the devlink-rate API. This new option allows users to allocate bandwidth across multiple traffic classes in a single command. This feature provides a more granular control over traffic management, especially for scenarios requiring Enhanced Transmission Selection. Users can now define a specific bandwidth share for each traffic class, such as allocating 20% for TC0 (TCP/UDP) and 80% for TC5 (RoCE).

### **Supported Devices and Features**

SUPPORTED KERNELS: The kernels of Red Hat Enterprise Linux 9 update 4 (x86\_64) supported by this binary rpm are:

- 5.14.0-427.13.1.el9\_4 (x86\_64) and future update kernels.

Version: 24.10-1.1.4.1 (Recommended)

### **Important Note!**

Mellanox Ethernet + RoCE Linux driver (mlx-efa\_kernel RPMs) supports only Ethernet mode of operation with RoCE (RDMA over Converged Ethernet) functionality Mellanox Ethernet-only adapters and Mellanox VPI (Virtual Protocol Interconnect) adapters configured to operate in Ethernet mode. For customers requiring complete InfiniBand functionality or "InfiniBand + Ethernet" modes of operation on the same node, install signed MLNX-OFED drivers from Linux Software Delivery Repository.

### **Fixes**

The following issues have been fixed in version 24.10-1.1.4.1:

- rte\_eth\_dev\_start() performed unnecessary recreation of mlx5 control flow rules, resulting in increased delay of rte\_eth\_dev\_start().
- Firefly was not compliant with "SyncE to 1pps Class B/C Transient response" while using ConnectX7 FHHL adapter card.

### **Enhancements**

The following new features and changes have been included in version 24.10-1.1.4.1:

- Enhanced firmware reset flow for Sync1 utilizing community-accepted hot reset kernel flow.

### **Supported Devices and Features**

- 5.14.0-503.11.1 (x86\_64) and future update kernels.

---

## QLogic FastLinQ 10/25/50 GbE Drivers for Red Hat Enterprise Linux 8

Version: 8.74.6.0-1 (Recommended)

### **Important Note!**

Linux Driver Version ----- Linux qed 8.74.6.0 Linux qede 8.74.6.0 Linux qedr 8.74.6.0 Linux qedi 8.74.6.0 Linux qedf 8.74.6.0 HV recommends the firmware provided as below for use with these drivers,

- Firmware component ( QLogic FastLinQ Firmware Package for Arrowhead adapters, ql\_hp\_ah\_mbi\_8.65.23\_pldm.fwpkg) version 8.65.23 or later is recommended for use with this driver set.

### **Prerequisites**

This product is required to unload inbox NIC driver before install OOB driver if user want OOB driver to take effect immediately. Otherwise, OOB driver will take effect after system reboot under inbox driver is loaded.

### **Fixes**

- This product fixes an issue of PTP hardware timestamp does not function.
- This product fixes an error while reading debugfs attribute do\_not\_recover.

### **Supported Devices and Features**

This product supports the following network adapters:

- Ethernet 10Gb 2-port 521T Adapter

---

## QLogic FastLinQ 10/25/50 GbE Drivers for Red Hat Enterprise Linux 9

Version: 8.74.6.0-5 (Recommended)

### **Important Note!**

Linux Driver Version ----- Linux qed 8.74.6.0 Linux qede 8.74.6.0 Linux qedr 8.74.6.0 Linux qedi 8.74.6.0 Linux qedf 8.74.6.0 HV recommends the firmware provided as below for use with these drivers,

- Firmware component ( QLogic FastLinQ Firmware Package for Arrowhead adapters, ql\_hp\_ah\_mbi\_8.65.23\_pldm.fwpkg) version 8.65.23 or later is recommended for use with this driver set.

### **Prerequisites**

This product is required to unload inbox NIC driver before install OOB driver if user want OOB driver to take effect immediately. Otherwise, OOB driver will take effect after system reboot under inbox driver is loaded.

### **Fixes**

- This product fixes an issue of PTP hardware timestamp does not function.
- This product fixes an error while reading debugfs attribute do\_not\_recover.

### **Enhancements**

This product now supports Red Hat Enterprise Linux 9.5.

### **Supported Devices and Features**

This product supports the following network adapters:

- Ethernet 10Gb 2-port 521T Adapter

---

## QLogic FastLinQ 10/25/50 GbE Drivers for Windows Server x64 Editions

Version: 8.72.21.0 (Recommended)

### **Important Note!**

HV recommends the firmware provided as below for use with these drivers,

- QLogic FastLinQ Online Firmware Upgrade Utility for Windows Server x64 Editions, version 5.3.7.0 or later.

### **Enhancements**

Add Windows Server 2025 support.

### **Supported Devices and Features**

This product supports the following network adapters:

- Ethernet 10Gb 2-port 521T Adapter

---

### **QLogic FastLinQ 10/25/50 GbE Multifunction Driver for VMware vSphere 8.0**

Version: 2025.03.00 (Recommended)

### **Important Note!**

HV recommends the firmware provided as below for use with these drivers,

- QLogic FastLinQ Online Firmware Upgrade Utility for VMware, version 4.20.0 or later.

### **Fixes**

This product fixes a PSOD issue which is caused by the memory leak.

### **Supported Devices and Features**

This product supports the following network adapters:

---

### **QLogic FastLinQ 10/25/50 GbE Multifunction Driver for VMware vSphere 9.0**

Version: 2025.03.00 (Recommended)

### **Important Note!**

HV recommends the firmware provided as below for use with these drivers,

- QLogic FastLinQ Online Firmware Upgrade Utility for VMware, version 4.20.0 or later.

### **Enhancements**

This product now supports VMware vSphere ESXi 9.0. Known issue: When any operations that cause the driver reset may result subsequently in high EnsNetWorlds CPU utilization. Target to have full solution in next driver release

### **Supported Devices and Features**

This product supports the following network adapters:

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### **QLogic NX2 10/20 GbE Multifunction Driver for VMware vSphere 8.0**

Version: 2025.03.00 (Recommended)

### **Important Note!**

HV recommends the firmware provided in QLogic NX2 Online Firmware Upgrade Utility for VMware, version 1.37.0 or later, for use with this driver.

### **Fixes**

- This product corrects an issue which fix TSO (TCP Segmentation Offload) issue when single segment is larger than pkt length.
- This product corrects an issue which PSOD while freeing DMA during 'esxcli qlfastlinq qcc' command execution.

### **Supported Devices and Features**

These drivers support the following network adapters:

---

### **QLogic NX2 10/20 GbE Multifunction Driver for VMware vSphere 9.0**

Version: 2025.03.00 (Recommended)

### **Important Note!**

HV recommends the firmware provided in QLogic NX2 Online Firmware Upgrade Utility for VMware, version 1.37.0 or later, for use with this driver.

### **Enhancements**

This product now supports VMware vSphere ESXi 9.

### **Supported Devices and Features**

These drivers support the following network adapters:

---

## **QLogic NX2 10/20 GbE Multifunction Drivers for Red Hat Enterprise Linux 8**

Version: 7.15.24-1 (Recommended)

### **Important Note!**

Driver Version ----- cnic 2.5.21m bnx2 2.2.6j bnx2x 1.715.25 bnx2i 2.11.30.3 bnx2fc 2.12.25 HV recommends the firmware provided in QLogic NX2 Online Firmware Upgrade Utility for Linux x86\_64, version 2.37.0 or later, for use with these drivers.

### **Prerequisites**

This product is required to unload inbox NIC driver before install OOB driver if user want OOB driver to take effect immediately. Otherwise, OOB driver will take effect after system reboot under inbox driver is loaded.

### **Enhancements**

This product is updated to maintain compatibility with the latest firmware.

### **Supported Devices and Features**

These drivers support the following network adapters:

---

## **QLogic NX2 10/20 GbE Multifunction Drivers for Red Hat Enterprise Linux 9**

Version: 7.15.24-5 (Recommended)

### **Important Note!**

Driver Version ----- cnic 2.5.21m bnx2 2.2.6j bnx2x 1.715.25 bnx2i 2.11.30.3 bnx2fc 2.12.25 HV recommends the firmware provided in QLogic NX2 Online Firmware Upgrade Utility for Linux x86\_64, version 2.37.0 or later, for use with these drivers.

### **Prerequisites**

This product is required to unload inbox NIC driver before install OOB driver if user want OOB driver to take effect immediately. Otherwise, OOB driver will take effect after system reboot under inbox driver is loaded.

### **Enhancements**

This product now supports Red Hat Enterprise Linux 9.5.

### **Supported Devices and Features**

These drivers support the following network adapters:

---

## **QLogic NX2 10/20 GbE Multifunction Drivers for Windows Server x64 Editions**

Version: 7.13.221.0 (Recommended)

### **Important Note!**

HV recommends the firmware provided in QLogic NX2 Online Firmware Upgrade Utility for Windows Server x64 Editions, version 5.3.9.0 or later, for use with these drivers.

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### **Fixes**

This product resolves possible memory leak found in code scanning.

### **Enhancements**

Add Windows Server 2025 support.

### **Supported Devices and Features**

This driver supports the following network adapters:

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### **Intel i350 Driver for Windows Server 2019**

Version: 14.0.5.0 (Recommended)

### **Important Note!**

HV recommends the firmware provided in Intel Online Firmware Upgrade Utility for Windows Server x64 Editions, version 5.4.2.0 or later, for use with this driver.

### **Enhancements**

This product enhanced the compatibility with firmware of Fortville 9.5.

### **Supported Devices and Features**

This driver supports the following Intel E1R network adapters:

- Intel(R) I350 Gigabit Network Connection
- 

### **Intel i350 Driver for Windows Server 2022**

Version: 14.0.5.0 (B) (Recommended)

### **Important Note!**

HV recommends the firmware provided in Intel Online Firmware Upgrade Utility for Windows Server x64 Editions, version 5.4.2.0 or later, for use with this driver.

### **Enhancements**

This product now supports Azure Stack HCI OS.

### **Supported Devices and Features**

This driver supports the following Intel E1R network adapters:

- Intel(R) I350 Gigabit Network Connection
- 

### **Intel i350 Driver for Windows Server 2025**

Version: 14.1.5.0 (Recommended)

### **Important Note!**

HV recommends the firmware provided in Intel Online Firmware Upgrade Utility for Windows Server x64 Editions, version 5.4.3.0 or later, for use with this driver.

### **Enhancements**

Initial version.

### **Supported Devices and Features**

This driver supports the following Intel E1R network adapters:

- Intel(R) I350 Gigabit Network Connection
- 

### **Intel i40ea Driver for Windows Server 2019**

Version: 1.19.164.0 (Recommended)

### **Important Note!**

HV recommends the firmware provided in Intel Online Firmware Upgrade Utility for Windows Server x64 Editions, version 5.4.2.0 or later, for use with this driver.

### **Enhancements**

This product enhanced the compatibility with firmware of Fortville 9.5.

### **Supported Devices and Features**

This driver supports the following Intel I40EA network adapters:

- Intel X710-DA2 Ethernet 10Gb 2-port SFP+ OCP3 Adapter
- Intel X710-DA2 Ethernet 10Gb 2-port SFP+ Adapter

---

## **Intel i40ea Driver for Windows Server 2022**

Version: 1.19.165.0 (B) (Recommended)

### **Important Note!**

HV recommends the firmware provided in Intel Online Firmware Upgrade Utility for Windows Server x64 Editions, version 5.4.2.0 or later, for use with this driver.

### **Enhancements**

This product now supports Azure Stack HCI OS.

### **Supported Devices and Features**

This driver supports the following Intel I40EA network adapters:

- Intel X710-DA2 Ethernet 10Gb 2-port SFP+ OCP3 Adapter
- Intel X710-DA2 Ethernet 10Gb 2-port SFP+ Adapter

---

## **Intel i40ea Driver for Windows Server 2025**

Version: 1.19.267.0 (Recommended)

### **Important Note!**

HV recommends the supplied firmware for use with this driver.

- Intel Online Firmware Upgrade Utility for Windows Server x64 Editions, version 5.4.3.0 or later,
- Intel Online Firmware Upgrade Utility for Windows Server x64 Editions, version 5.4.3.0 or later,

### **Enhancements**

Initial version.

### **Supported Devices and Features**

This driver supports the following Intel I40EA network adapters:

- Intel X710-DA2 Ethernet 10Gb 2-port SFP+ OCP3 Adapter
- Intel X710-DA2 Ethernet 10Gb 2-port SFP+ Adapter

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## **Intel ice Drivers for Red Hat Enterprise Linux 8**

Version: 1.15.4-1 (Recommended)

### **Important Note!**

HV recommends the firmware provided in Intel Firmware Package For E810, version 4.60 or later for use with these drivers.

### **Enhancements**

- This product now supports ethtool flow-type ether.

- This product now adds VF reset on Tx Malicious Driver Detection(MDD) event.
- This product now supports kernel's DPLL configuration.

### **Supported Devices and Features**

This product supports the following network adapters:

- Intel E810-CQDA2 Ethernet 100Gb 2-port QSFP28 Adapter
- Intel E810-CQDA2 Ethernet 100Gb 2-port QSFP28 OCP3 Adapter
- Intel E810-XXVDA4 Ethernet 10/25Gb 4-port SFP28 Adapter
- Intel E810-XXVDA2 Ethernet 10/25Gb 2-port SFP28 Adapter
- Intel E810-XXVDA2 Ethernet 10/25Gb 2-port SFP28 OCP3 Adapter
- Intel E810-2CQDA2 Ethernet 100Gb 2-port QSFP28 Adapter
- Intel E810-XXVDA4 Ethernet 10/25Gb 4-port SFP28 OCP3 Adapter
- Intel E810-XXVDA4 Ethernet 10/25Gb 4-port SFP28 MCLK Adapter

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### **Intel ice Drivers for Red Hat Enterprise Linux 9**

Version: 1.15.4-1 (B) (Recommended)

#### **Important Note!**

HV recommends the firmware provided in Intel Firmware Package For E810, version 4.60 or later for use with these drivers.

#### **Enhancements**

This product is now supported on a new platform.

### **Supported Devices and Features**

This product supports the following network adapters:

- Intel E810-CQDA2 Ethernet 100Gb 2-port QSFP28 Adapter
- Intel E810-CQDA2 Ethernet 100Gb 2-port QSFP28 OCP3 Adapter
- Intel E810-XXVDA4 Ethernet 10/25Gb 4-port SFP28 Adapter
- Intel E810-XXVDA2 Ethernet 10/25Gb 2-port SFP28 Adapter
- Intel E810-XXVDA2 Ethernet 10/25Gb 2-port SFP28 OCP3 Adapter
- Intel E810-2CQDA2 Ethernet 100Gb 2-port QSFP28 Adapter
- Intel E810-XXVDA4 Ethernet 10/25Gb 4-port SFP28 OCP3 Adapter
- Intel E810-XXVDA4 Ethernet 10/25Gb 4-port SFP28 MCLK Adapter

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### **Intel icea Driver for Microsoft Windows Server 2022**

Version: 1.15.121.0 (C) (Recommended)

#### **Important Note!**

HV recommends the firmware provided in Intel Firmware Package for Columbiaville (FWPKG), version 4.50 or later, for use with this driver.

#### **Enhancements**

This product now supports Azure Stack HCI OS.

### **Supported Devices and Features**

This driver supports the following Intel ICEA network adapters:

- Intel E810-2CQDA2 Ethernet 100Gb 2-port QSFP28 Adapter
- Intel E810-CQDA2 Ethernet 100Gb 2-port QSFP28 Adapter
- Intel E810-CQDA2 Ethernet 100Gb 2-port QSFP28 OCP3 Adapter

- Intel E810-XXVDA2 Ethernet 10/25Gb 2-port SFP28 Adapter
- Intel E810-XXVDA2 Ethernet 10/25Gb 2-port SFP28 OCP3 Adapter
- Intel E810-XXVDA4 Ethernet 10/25Gb 4-port SFP28 Adapter
- Intel E810-XXVDA4 Ethernet 10/25Gb 4-port SFP28 OCP3 Adapter

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## Intel ica Driver for Microsoft Windows Server 2025

Version: 1.15.302.0 (B) (Recommended)

### **Important Note!**

HV recommends the firmware provided in Intel Firmware Package for Columbiaville (FWPKG), version 4.60 or later, for use with this driver.

### **Enhancements**

Initial version.

### **Supported Devices and Features**

This driver supports the following Intel ICEA network adapters:

- Intel E810-2CQDA2 Ethernet 100Gb 2-port QSFP28 Adapter
- Intel E810-CQDA2 Ethernet 100Gb 2-port QSFP28 Adapter
- Intel E810-CQDA2 Ethernet 100Gb 2-port QSFP28 OCP3 Adapter
- Intel E810-XXVDA2 Ethernet 10/25Gb 2-port SFP28 Adapter
- Intel E810-XXVDA2 Ethernet 10/25Gb 2-port SFP28 OCP3 Adapter
- Intel E810-XXVDA4 Ethernet 10/25Gb 4-port SFP28 Adapter
- Intel E810-XXVDA4 Ethernet 10/25Gb 4-port SFP28 OCP3 Adapter

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## Intel ica Driver for Windows Server 2019

Version: 1.15.121.0 (Recommended)

### **Important Note!**

HV recommends the firmware provided in Intel Firmware Package for Columbiaville (FWPKG), version 4.50 or later, for use with this driver.

### **Fixes**

This product correct an issue which E810 physical adapter does not display RDMA counters.

### **Enhancements**

This product enhanced the compatibility with firmware of Columbiaville 4.5.

### **Supported Devices and Features**

This driver supports the following Intel ICEA network adapters:

- Intel E810-2CQDA2 Ethernet 100Gb 2-port QSFP28 Adapter
- Intel E810-CQDA2 Ethernet 100Gb 2-port QSFP28 Adapter
- Intel E810-CQDA2 Ethernet 100Gb 2-port QSFP28 OCP3 Adapter
- Intel E810-XXVDA2 Ethernet 10/25Gb 2-port SFP28 Adapter
- Intel E810-XXVDA2 Ethernet 10/25Gb 2-port SFP28 OCP3 Adapter
- Intel E810-XXVDA4 Ethernet 10/25Gb 4-port SFP28 Adapter
- Intel E810-XXVDA4 Ethernet 10/25Gb 4-port SFP28 OCP3 Adapter

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## Intel icen Driver for VMware vSphere 8.0

Version: 2025.03.00 (Recommended)

### **Important Note!**

- HV recommends the firmware provided in Intel Firmware Package For E810 Ethernet Adapter, version 4.60 or later, for use with these drivers.

### **Enhancements**

This product is now supported on a new platform.

### **Supported Devices and Features**

This product supports the following network adapters:

- Intel E810-CQDA2 Ethernet 100Gb 2-port QSFP28 Adapter
- Intel E810-CQDA2 Ethernet 100Gb 2-port QSFP28 OCP3 Adapter
- Intel E810-XXVDA4 Ethernet 10/25Gb 4-port SFP28 Adapter
- Intel E810-XXVDA2 Ethernet 10/25Gb 2-port SFP28 Adapter
- Intel E810-XXVDA2 Ethernet 10/25Gb 2-port SFP28 OCP3 Adapter
- Intel E810-2CQDA2 Ethernet 100Gb 2-port QSFP28 Adapter
- Intel E810-XXVDA4 Ethernet 10/25Gb 4-port SFP28 OCP3 Adapter

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### **Intel icen Driver for VMware vSphere 9.0**

Version: 2025.03.00 (Recommended)

### **Important Note!**

- HV recommends the firmware provided in Intel Firmware Package For E810 Ethernet Adapter, version 4.60 or later, for use with these drivers.

### **Enhancements**

Initial version for VMware 9.0.

### **Supported Devices and Features**

This product supports the following network adapters:

- Intel E810-CQDA2 Ethernet 100Gb 2-port QSFP28 Adapter
- Intel E810-CQDA2 Ethernet 100Gb 2-port QSFP28 OCP3 Adapter
- Intel E810-XXVDA4 Ethernet 10/25Gb 4-port SFP28 Adapter
- Intel E810-XXVDA2 Ethernet 10/25Gb 2-port SFP28 Adapter
- Intel E810-XXVDA2 Ethernet 10/25Gb 2-port SFP28 OCP3 Adapter
- Intel E810-2CQDA2 Ethernet 100Gb 2-port QSFP28 Adapter
- Intel E810-XXVDA4 Ethernet 10/25Gb 4-port SFP28 OCP3 Adapter

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### **Mellanox CX5 and CX6DX Driver for Microsoft Windows Server 2019**

Version: 24.10.26603.0 (Recommended)

### **Fixes**

- This product fixed an issue that prevented the VF diagnostic counters from being shown when assigned a VF from multiple adapters to the same VM, queried for counters and removed all VFs from one adapter.
- This product fixed a rare case when polling returns wrong request context.

### **Enhancements**

- Added a new counter "Allocated Memory Pages" to show the number of memory pages (4KB) allocated to the firmware from the host system.
- MlxNdPerf now supports bandwidth tests with multiple QPs.
- Added support for dynamic steering rule insertion in DevX interface.

## **Supported Devices and Features**

This driver supports the following network adapters:

- Mellanox MCX623105AS-VDAT Ethernet 200Gb 1-port QSFP56 Adapter
- Mellanox MCX631102AS-ADAT Ethernet 10/25Gb 2-port SFP28 Adapter
- Mellanox MCX631432AS-ADAI Ethernet 10/25Gb 2-port SFP28 OCP3 Adapter

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## **Mellanox CX5 and CX6DX Driver for Microsoft Windows Server 2022**

Version: 24.10.26603.0 (Recommended)

### **Fixes**

- This product fixed an issue that prevented the VF diagnostic counters from being shown when assigned a VF from multiple adapters to the same VM, queried for counters and removed all VFs from one adapter.
- This product fixed a rare case when polling returns wrong request context.

### **Enhancements**

- Added a new counter "Allocated Memory Pages" to show the number of memory pages (4KB) allocated to the firmware from the host system.
- MlxNdPerf now supports bandwidth tests with multiple QPs.
- Added support for dynamic steering rule insertion in DevX interface.

## **Supported Devices and Features**

This driver supports the following network adapters:

- Mellanox MCX623105AS-VDAT Ethernet 200Gb 1-port QSFP56 Adapter
- Mellanox MCX631102AS-ADAT Ethernet 10/25Gb 2-port SFP28 Adapter
- Mellanox MCX631432AS-ADAI Ethernet 10/25Gb 2-port SFP28 OCP3 Adapter

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## **Mellanox CX5 and CX6DX Driver for Microsoft Windows Server 2025**

Version: 24.10.26603.0 (Recommended)

### **Fixes**

- This product fixed an issue that prevented the VF diagnostic counters from being shown when assigned a VF from multiple adapters to the same VM, queried for counters and removed all VFs from one adapter.
- This product fixed a rare case when polling returns wrong request context.

### **Enhancements**

- Added a new counter "Allocated Memory Pages" to show the number of memory pages (4KB) allocated to the firmware from the host system.
- MlxNdPerf now supports bandwidth tests with multiple QPs.
- Added support for dynamic steering rule insertion in DevX interface.

## **Supported Devices and Features**

This driver supports the following network adapters:

- Mellanox MCX623105AS-VDAT Ethernet 200Gb 1-port QSFP56 Adapter
- Mellanox MCX631102AS-ADAT Ethernet 10/25Gb 2-port SFP28 Adapter
- Mellanox MCX631432AS-ADAI Ethernet 10/25Gb 2-port SFP28 OCP3 Adapter

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## **MR416i-p, MR216i-p, MR416i-a, MR216i-a and MR416i-o, MR416i-o, MR216i-o, MR408i-o, MR216i-p, MR408i-p controller Driver for 64-bit Red Hat Enterprise Linux 8**

Version: 07.730.01.00 (Recommended)

sas-07.730.01.00\_rhel8u9-2.x86\_64.rpm

#### **Enhancements**

- Handle IOMMU restore at exit boot services
- Support Ubuntu 24.04 LTS

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#### **MR416i-p, MR216i-p, MR416i-a, MR216i-a and MR416i-p, MR416i-o, MR216i-o, MR408i-o, MR216i-p, MR408i-p controller Driver for 64-bit Red Hat Enterprise Linux 9**

Version: 07.730.01.00 (B) (Recommended)  
sas-07.730.01.00\_rhel9u4-2.x86\_64.rpm

#### **Enhancements**

- Support new HA800 G6 servers.

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#### **MR416i-p, MR416i-a, MR216i-p, MR216i-a Controller and MR416i-o, MR416i-p, MR216i-o, MR216i-p, MR408i-o , MR408i-p controllers Driver for Microsoft Windows 2019 edition**

Version: 7.730.2.0 (Recommended)

#### **Enhancements**

- Add support for MR408i-p controller

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#### **MR416i-p, MR416i-a, MR216i-p, MR216i-a Controller and MR416i-o, MR416i-p, MR216i-o, MR216i-p, MR408i-o , MR408i-p controllers driver for Microsoft Windows 2025 edition**

Version: 7.730.2.0 (B) (Recommended)

#### **Enhancements**

- Support new HA800 G6 servers.

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#### **MR416i-p, MR416i-o, MR216i-o, MR408i-o, MR216i-p, MR408i-p and controller (64-bit) Driver for vSphere 8.0**

Version: 2025.01.01 (B) (Recommended)

#### **Important Note!**

- Actual Version is 7.730.1.0.

#### **Enhancements**

- Support new HA800 G6 servers.

---

#### **Smart Array and and Smart RAID Controller Driver for VMware vSphere 8.0 (Driver Component).**

Version: 2025.02.01 (Recommended)

#### **Important Note!**

- Actual ESXi8.0 driver version is 80.4704.0.108

#### **Enhancements**

- Improve the tolerance of error handling.
- Enhancement of DMA engine attributes to prevent PSOD.

---

#### **Smart Array Controller (64-bit) Driver for Red Hat Enterprise Linux 8 (64-bit)**

Version: 2.1.32-035 (Recommended)

## Fixes

- Fixed an issue that drives are still listed at the OS level when the controller is offline.

## Supported Devices and Features

SUPPORTED KERNELS: The kernels of Red Hat Enterprise Linux8 (64-bit) supported by this binary rpm are:-default-Red Hat Enterprise Linux 8 Update 0 (64-bit).

---

## **Smart Array Controller (64-bit) Driver for Red Hat Enterprise Linux 9 (64-bit)**

Version: 2.1.32-035 (Recommended)

## Fixes

- Fixed an issue that drives are still listed at the OS level when the controller is offline.

## Supported Devices and Features

SUPPORTED KERNELS: The kernels of Red Hat Enterprise Linux9 (64-bit) supported by this binary rpm are:-default-Red Hat Enterprise Linux 9 Update 0 (64-bit).

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## **Smart Array Controller Driver for Windows Server 2019, Windows Server 2022 and Windows Server 2025**

Version: 1016.10.0.1004 (Recommended)

## Fixes

- Fixed the issue that memory dump sometimes cannot be captured when Remote Key Management mode is enabled.

## Enhancements

- Added support for Windows Server 2025.
  - Added support to enable DMA remapping feature for Windows Server 2025.
- 

## **MR416i-p, MR416i-a, MR216i-p, MR216i-a Controller and MR416i-o, MR416i-p, MR216i-o, MR216i-p, MR408i-o , MR408i-p controllers driver for Microsoft Windows 2022 edition**

Version: 7.730.2.0 (B) (Recommended)

## Enhancements

- Support new HA800 G6 servers.
  - Support new OS Azure Stack HCI 23H2 .
- 

## **Storage Fibre Channel Adapter Kit for the x64 Emulex Storport Driver for Microsoft Windows Server 2019**

Version: 14.4.393.20 (Recommended)

## Important Note!

Release notes:Broadcom Release notes

## Enhancements

Updated to driver version 14.4.393.20 The raw driver files can be obtained by extracting the Smart Component and then extracting the Emulex installer. Use this command:elxdrv-fc-version.exe /q2 extract=2 The extracted files are located:C:\Users\Administrator\Documents\Emulex\Drivers\FC-version Each kit folder has subsequent architecture folders with subsequent OS folders. For example, C:\Users\Administrator\Documents\Emulex\Drivers\FC-version\x64\win2019

## Supported Devices and Features

- SN1200E 16Gb Dual Port Fibre Channel Host Bus Adapter
-

- SN1600E 32Gb Dual Port Fibre Channel Host Bus Adapter
- SN1600E 32Gb Single Port Fibre Channel Host Bus Adapter
- SN1610E 32Gb Dual port Fibre Channel Host Bus Adapter

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### **Storage Fibre Channel Adapter Kit for the x64 Emulex Storport Driver for Microsoft Windows Server 2022**

Version: 14.4.393.20 (Recommended)

#### **Important Note!**

Release notes:Broadcom Release notes

#### **Enhancements**

Updated to driver version 14.4.393.20 The raw driver files can be obtained by extracting the Smart Component and then extracting the Emulex installer. Use this command:elxdrv-fc-version.exe /q2 extract=2 The extracted files are located:C:\Users\Administrator\Documents\Emulex\Drivers\FC-version Each kit folder has subsequent architecture folders with subsequent OS folders. For example, C:\Users\Administrator\Documents\Emulex\Drivers\FC-version\x64\win2022

#### **Supported Devices and Features**

- SN1200E 16Gb Dual Port Fibre Channel Host Bus Adapter
- SN1600E 32Gb Dual Port Fibre Channel Host Bus Adapter
- SN1600E 32Gb Single Port Fibre Channel Host Bus Adapter
- SN1610E 32Gb Dual port Fibre Channel Host Bus Adapter

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### **Storage Fibre Channel Adapter Kit for the x64 Emulex Storport Driver for Microsoft Windows Server 2025**

Version: 14.4.393.20 (Recommended)

#### **Important Note!**

Release notes:Broadcom Release notes

#### **Enhancements**

Updated to driver version 14.4.393.20 The raw driver files can be obtained by extracting the Smart Component and then extracting the Emulex installer. Use this command:elxdrv-fc-version.exe /q2 extract=2 The extracted files are located:C:\Users\Administrator\Documents\Emulex\Drivers\FC-version Each kit folder has subsequent architecture folders with subsequent OS folders. For example, C:\Users\Administrator\Documents\Emulex\Drivers\FC-version\x64\win2022

#### **Supported Devices and Features**

- SN1200E 16Gb Dual Port Fibre Channel Host Bus Adapter
- SN1600E 32Gb Dual Port Fibre Channel Host Bus Adapter
- SN1600E 32Gb Single Port Fibre Channel Host Bus Adapter
- SN1610E 32Gb Dual port Fibre Channel Host Bus Adapter

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### **Storage Fibre Channel Adapter Kit for the x64 QLogic Storport Driver for Microsoft Windows Server 2019**

Version: 9.4.11.20 (Recommended)

#### **Important Note!**

Release Notes: QLogic Adapters Release Notes

#### **Enhancements**

Updated to version 9.4.11.20

### **Supported Devices and Features**

- SN1100Q 16GB Dual Port PCIe Fibre Channel Host Bus Adapter
- SN1600Q 32Gb Single Port Fibre Channel Host Bus Adapter
- SN1600Q 32Gb Dual Port Fibre Channel Host Bus Adapter
- SN1610Q 32Gb Dual Port Fibre Channel Host Bus Adapter

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### **Storage Fibre Channel Adapter Kit for the x64 QLogic Storport Driver for Microsoft Windows Server 2022**

Version: 9.4.11.20 (Recommended)

### **Important Note!**

Release Notes: [QLogic Adapters Release Notes](#)

### **Enhancements**

Updated to version 9.4.11.20

### **Supported Devices and Features**

- SN1100Q 16GB Dual Port PCIe Fibre Channel Host Bus Adapter
- SN1600Q 32Gb Single Port Fibre Channel Host Bus Adapter
- SN1600Q 32Gb Dual Port Fibre Channel Host Bus Adapter
- SN1610Q 32Gb Dual Port Fibre Channel Host Bus Adapter

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### **Storage Fibre Channel Adapter Kit for the x64 QLogic Storport Driver for Microsoft Windows Server 2025**

Version: 9.4.11.20 (Recommended)

### **Important Note!**

Release Notes: [QLogic Adapters Release Notes](#)

### **Enhancements**

This is the first driver for Windows 2025 . The driver version is 9.4.11.20.

### **Supported Devices and Features**

- SN1100Q 16GB Dual Port PCIe Fibre Channel Host Bus Adapter
- SN1600Q 32Gb Single Port Fibre Channel Host Bus Adapter
- SN1600Q 32Gb Dual Port Fibre Channel Host Bus Adapter
- SN1610Q 32Gb Dual Port Fibre Channel Host Bus Adapter

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### **Red Hat Enterprise Linux 8 Update 10 Server Fibre Channel Driver Kit Emulex Host Bus Adapters**

Version: 14.4.329.9 (Recommended)

### **Enhancements**

Updated to version 14.4.329.9

### **Supported Devices and Features**

- SN1200E 16Gb Dual Port Fibre Channel Host Bus Adapter
- SN1600E 32Gb Dual Port Fibre Channel Host Bus Adapter
- SN1600E 32Gb Single Port Fibre Channel Host Bus Adapter
- SN1610E 32Gb Dual port Fibre Channel Host Bus Adapter

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### **Red Hat Enterprise Linux 8 Update 10 Server Fibre Channel Driver Kit QLogic Host Bus Adapters**

Version: 10.02.13.03-k1 (Recommended)

### **Important Note!**

Release Notes: QLogic Adapters Release Notes NOTE:1. The rpm base-name for the QLogic driver has been changed to "qlgc". Upgrades from the earlier "hpqlgc" driver are supported. Updated to driver version 10.02.13.03-k1

### **Enhancements**

Updated Driver version 10.02.13.03-k1

### **Supported Devices and Features**

- SN1100Q 16GB Dual Port PCIe Fibre Channel Host Bus Adapter
  - SN1600Q 32Gb Single Port Fibre Channel Host Bus Adapter
  - SN1600Q 32Gb Dual Port Fibre Channel Host Bus Adapter
  - SN1610Q 32Gb Dual Port Fibre Channel Host Bus Adapter
- 

## **Red Hat Enterprise Linux 8 Update 9 Server Fibre Channel Driver Kit Emulex Host Bus Adapters**

Version: 14.4.329.9 (Recommended)

### **Enhancements**

Updated to version 14.4.329.9

### **Supported Devices and Features**

- SN1200E 16Gb Dual Port Fibre Channel Host Bus Adapter
  - SN1600E 32Gb Dual Port Fibre Channel Host Bus Adapter
  - SN1600E 32Gb Single Port Fibre Channel Host Bus Adapter
  - SN1610E 32Gb Dual port Fibre Channel Host Bus Adapter
- 

## **Red Hat Enterprise Linux 8 Update 9 Server Fibre Channel Driver Kit QLogic Host Bus Adapters**

Version: 10.02.13.03-k1 (Recommended)

### **Important Note!**

Release Notes: QLogic Adapters Release Notes NOTE:1. The rpm base-name for the QLogic driver has been changed to "qlgc". Upgrades from the earlier "hpqlgc" driver are supported. Updated to driver version 10.02.13.03-k1

### **Enhancements**

Updated Driver version 10.02.13.03-k1

### **Supported Devices and Features**

- SN1100Q 16GB Dual Port PCIe Fibre Channel Host Bus Adapter
  - SN1600Q 32Gb Single Port Fibre Channel Host Bus Adapter
  - SN1600Q 32Gb Dual Port Fibre Channel Host Bus Adapter
  - SN1610Q 32Gb Dual Port Fibre Channel Host Bus Adapter
- 

## **Red Hat Enterprise Linux 9 Server Update 3 Fibre Channel Driver Kit Emulex Host Bus Adapter**

Version: 14.4.329.9 (Recommended)

### **Enhancements**

Updated to version 14.4.329.9

### **Supported Devices and Features**

- SN1200E 16Gb Dual Port Fibre Channel Host Bus Adapter
- SN1600E 32Gb Dual Port Fibre Channel Host Bus Adapter
- SN1600E 32Gb Single Port Fibre Channel Host Bus Adapter

- SN1610E 32Gb Dual port Fibre Channel Host Bus Adapter

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## **Red Hat Enterprise Linux 9 Server Update 4 Fibre Channel Driver Kit Emulex Host Bus Adapters**

Version: 14.4.329.9 (Recommended)

### **Enhancements**

Updated to version 14.4.329.9

### **Supported Devices and Features**

- SN1200E 16Gb Dual Port Fibre Channel Host Bus Adapter
- SN1600E 32Gb Dual Port Fibre Channel Host Bus Adapter
- SN1600E 32Gb Single Port Fibre Channel Host Bus Adapter
- SN1610E 32Gb Dual port Fibre Channel Host Bus Adapter

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## **Red Hat Enterprise Linux 9 update 4 Server Fibre Channel Driver Kit QLogic Host Bus Adapters**

Version: 10.02.13.03-k1 (Recommended)

### **Important Note!**

Release Notes: QLogic Adapters Release Notes NOTE:1. The rpm base-name for the QLogic driver has been changed to "qlgc". Upgrades from the earlier "hpqlgc" driver are supported. Updated to driver version 10.02.13.03-k1

### **Enhancements**

Updated Driver version 10.02.13.03-k1

### **Supported Devices and Features**

- SN1100Q 16GB Dual Port PCIe Fibre Channel Host Bus Adapter
- SN1600Q 32Gb Single Port Fibre Channel Host Bus Adapter
- SN1600Q 32Gb Dual Port Fibre Channel Host Bus Adapter
- SN1610Q 32Gb Dual Port Fibre Channel Host Bus Adapter

Version: 10.02.13.03-k1 (Recommended)

### **Important Note!**

Release Notes: QLogic Adapters Release Notes NOTE:1. The rpm base-name for the QLogic driver has been changed to "qlgc". Upgrades from the earlier "hpqlgc" driver are supported. Updated to driver version 10.02.13.03-k1

### **Enhancements**

Updated Driver version 10.02.13.03-k1

### **Supported Devices and Features**

- SN1100Q 16GB Dual Port PCIe Fibre Channel Host Bus Adapter
- SN1600Q 32Gb Single Port Fibre Channel Host Bus Adapter
- SN1600Q 32Gb Dual Port Fibre Channel Host Bus Adapter
- SN1610Q 32Gb Dual Port Fibre Channel Host Bus Adapter

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## **iLO 5 Automatic Server Recovery Driver for Microsoft Windows Server 2016 and 2019**

Version: 4.7.1.0 (E) (Optional)

### **Important Note!**

Installing the iLO 5 Channel Interface Driver, version 4.1.0.0 or earlier, will overwrite this driver. To avoid the overwrite, use version 4.1.0.0(B) or later of the iLO 5 Channel Interface Driver.

### **Enhancements**

- Updated SBOM requirement
- 

### **iLO 5 Automatic Server Recovery Driver for Microsoft Windows Server 2022**

Version: 4.7.1.0 (G) (Optional)

### **Important Note!**

Installing the iLO 5 Channel Interface Driver, version 4.1.0.0 or earlier, will overwrite this driver. To avoid the overwrite, use version 4.1.0.0(B) or later of the iLO 5 Channel Interface Driver.

### **Enhancements**

- Updated supported environments
- 

### **iLO 5 Automatic Server Recovery Driver for Microsoft Windows Server 2025**

Version: 4.7.2.0 (Optional)

### **Important Note!**

Installing the iLO 5 Channel Interface Driver, version 4.1.0.0 or earlier, will overwrite this driver. To avoid the overwrite, use version 4.1.0.0(B) or later of the iLO 5 Channel Interface Driver.

### **Enhancements**

- Updated supported environments
- 

### **iLO 5 Channel Interface Driver for Microsoft Windows Server 2016 and 2019**

Version: 4.7.1.0 (E) (Optional)

### **Enhancements**

- Updated SBOM requirement
- 

### **iLO 5 Channel Interface Driver for Microsoft Windows Server 2022**

Version: 4.7.1.0 (G) (Optional)

### **Enhancements**

- Updated supported environments
- 

### **iLO 5 Channel Interface Driver for Microsoft Windows Server 2025**

Version: 4.7.2.0 (Optional)

### **Enhancements**

- Updated supported environments
  - Updated supported platforms
- 

### **Matrox G200eH3 Video Controller Driver for Microsoft Windows 64-bit**

Version: 9.15.1.248 (F) (Optional)

### **Enhancements**

- Updated supported environments
- 

### **Matrox G200eH3 Video Controller Driver for Microsoft Windows 64-bit**

Version: 9.15.1.268 (B) (Optional)

## Enhancements

- Updated Supported Environments

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## **Broadcom Firmware Package for BCM5741x adapters**

Version: 232.1.132.8 (Recommended)

### Important Note!

For Firmware installation, there is no OS and drivers dependency. For Firmware compatibility during production, HV recommends the drivers for use with the firmware Package product as below,

- Broadcom NetXtreme-E Driver for Microsoft Windows Server, version 232.0.155.7 or later
- Broadcom NetXtreme-E Drivers for Linux, version 1.10.3-232.0.155.5 or later
- Broadcom NetXtreme-E Drivers for VMware, version 2025.03.00 or later

### Fixes

- This product fixes the issue where the OCP module experiences link width degradation in the system.
- This product fixes the issue where RDMA connections are not getting connected.
- This product fixes the issue where RoCE and TX/RX path core dump decoding failed.
- This product fixes the issue where Port 1 was not receiving broadcast packets with ESXi.
- This product fixes the issue where the OCP module experiences link width degradation in the system.
- This product fixes the issue where PXE boot does not work with VLAN configurations.

## Enhancements

- This product removes the Ethernet/LLDPTransmit/ManagementVlanId property to streamline configuration.
- This product enhances the coredump feature in the BNXT driver for improved diagnostics.
- This product enhances to update the driver to suppress the HII MBA menu for a cleaner interface.

## Supported Devices and Features

This product supports the following network adapters:

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## **Broadcom Firmware Package for BCM5750x adapters**

Version: 232.1.132.8 (Recommended)

### Important Note!

For Firmware installation, there is no OS and drivers dependency. For Firmware compatibility during production, HV recommends the drivers for use with the firmware Package product as below,

- Broadcom NetXtreme-E Driver for Microsoft Windows Server, version 232.0.155.7 or later
- Broadcom NetXtreme-E Drivers for Linux, version 1.10.3-232.0.155.5 or later
- Broadcom NetXtreme-E Drivers for VMware, version 2025.03.00 or later

### Fixes

- This product fixes the issue where the firmware fails to send a reset notification to the driver during error recovery.
- This product fixes the issue where the RDE bejString special character escape sequences were incorrectly encoded.
- This product fixes the issue where the PLDM port link speed sensor reading and event values were reported as negative.
- This product fixes the issue where the XDP/LPBK L2 context entry caused resource leaks.
- This product fixes the issue where XDP flows were not properly freed by ensuring they are released only when the MAC address is non-zero.

## Enhancements

- This product removes the Ethernet/LLDPTransmit/ManagementVlanId property to simplify network configuration.
- This product enhances system stability by adjusting MSI-X vector counts to prevent resource exhaustion.
- This product enhances SPDM functionality by setting the MsgTag in the MCTP transport header.
- This product enhances the coredump feature in the BNXT driver for better diagnostic capabilities.
- This product enhances network performance by adding the RX rate profile and improving DPDK functionality.

## Supported Devices and Features

This product supports the following network adapters:

- Broadcom BCM57504 Ethernet 10/25Gb 4-port SFP28 Adapter
- Broadcom BCM57504 Ethernet 10/25Gb 4-port SFP28 OCP3 Adapter

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## **Broadcom NX1 Online Firmware Upgrade Utility for Linux x86\_64**

Version: 2.40.0 (Recommended)

### Important Note!

HV recommends Broadcom tg3 Ethernet Drivers, versions 3.139q or later, for use with this firmware.

### Prerequisites

This product requires the appropriate driver for your device and operating system to be installed before the firmware is updated. Also, install the Out of Box (OOB) and ensure the driver is loaded and running before attempting the firmware update.

- Follow the command line to bring up ethernet device:

# ifup ethX or ifconfig ethX up or wicked ifup ethX If local system doesn't configure any network interface for the adapter that are necessary then to create the network config file to bring up interface.

- For example in sles15sp1, To create ifcfg-ethX files under /etc/sysconfig/network/

### Fixes

This product fixes where MBA configuration reset to defaults after updating firmware.

## Enhancements

This product enhances libfwupg to improve NVRAM configuration updates.

## Supported Devices and Features

This product supports the following network adapters:

- Broadcom BCM5719 Ethernet 1Gb 4-port Base-T Adapter
- Broadcom BCM5719 Ethernet 1Gb 4-port Base-T OCP3 Adapter
- Broadcom BCM5719 Ethernet 1Gb 4-port Base-T LOM Adapter
- Broadcom BCM5720 Ethernet 1Gb 2-port BASE-T LOM Adapter

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## **Broadcom NX1 Online Firmware Upgrade Utility for VMware**

Version: 1.41.0 (Recommended)

### Important Note!

This software package contains combo image v20.32.41 with the following firmware versions:

NIC	Boot Code Version	PXE Version	NCSI Version	UEFI Version
BCM 5719 1GbE 4p BASE-T Adptr	1.60	21.6.4	1.5.60	21.6.85
BCM 5719 1GbE 4p BASE-T OCP3 Adptr	1.60	21.6.4	1.5.60	21.6.85

BCM 5719 1GbE 4p BASE-T LOM Adptr	1.60	21.6.4	1.5.60	21.6.85
BCM 5720 1GbE 2p BASE-T LOM Adptr	1.43	21.6.4	N/A	21.6.85

### **Prerequisites**

This product requires the appropriate driver for your device and operating system to be installed before the firmware is updated.

### **Fixes**

This product fixes where MBA configuration reset to defaults after updating firmware.

### **Enhancements**

This product enhances libfwupg to improve NVRAM configuration updates.

### **Supported Devices and Features**

This product supports the following network adapters:

- Broadcom BCM5720 Ethernet 1Gb 2-port BASE-T LOM Adapter
- Broadcom BCM5719 Ethernet 1Gb 4-port Base-T Adapter
- Broadcom BCM5719 Ethernet 1Gb 4-port Base-T OCP3 Adapter
- Broadcom BCM5719 Ethernet 1Gb 4-port Base-T LOM Adapter

## **Broadcom NX1 Online Firmware Upgrade Utility for Windows Server x64 Editions**

Version: 5.4.4.0 (Recommended)

### **Important Note!**

HV recommends Broadcom NX1 1Gb Driver for Windows Server x64 Editions, version 221.0.7.0 or later, for use with this firmware. This software package contains combo image v20.32.41 with the following firmware versions:

NIC	Boot Code Version	PXE Version	NCSI Version	UEFI Version
BCM 5719 1GbE 4p BASE-T Adptr	1.60	21.6.4	1.5.60	21.6.85
BCM 5719 1GbE 4p BASE-T OCP3 Adptr	1.60	21.6.4	1.5.60	21.6.85
BCM 5719 1GbE 4p BASE-T LOM Adptr	1.60	21.6.4	1.5.60	21.6.85
BCM 5720 1GbE 2p BASE-T LOM Adptr	1.43	21.6.4	N/A	21.6.85

### **Prerequisites**

This product requires the appropriate driver for your device and operating system to be installed before the firmware is updated.

### **Fixes**

This product fixes where MBA configuration reset to defaults after updating firmware.

### **Enhancements**

This product enhances libfwupg to improve NVRAM configuration updates.

### **Supported Devices and Features**

This product supports the following network adapters:

- Broadcom BCM5719 Ethernet 1Gb 4-port Base-T Adapter
- Broadcom BCM5719 Ethernet 1Gb 4-port Base-T OCP3 Adapter
- Broadcom BCM5719 Ethernet 1Gb 4-port Base-T LOM Adapter
- Broadcom BCM5720 Ethernet 1Gb 2-port BASE-T LOM Adapter

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## **Broadcom NetXtreme-E Firmware Package for BCM5741x adapters**

Version: 232.1.132008 (Recommended)

### **Important Note!**

For Firmware installation, there is no OS and drivers dependency. For Firmware compatibility during production, HV recommends the drivers for use with the firmware Package product as below,

- Broadcom NetXtreme-E Driver for Microsoft Windows Server, version 232.0.155.7 or later
- Broadcom NetXtreme-E Drivers for Linux, version 1.10.3-232.0.155.5 or later
- Broadcom NetXtreme-E Drivers for VMware, version 2025.03.00 or later

### **Fixes**

- This product fixes the issue where RDMA connections are not getting connected.
- This product fixes the issue where RoCE and TX/RX path core dump decoding failed.
- This product fixes the issue where Port 1 was not receiving broadcast packets with ESXi.
- This product fixes the issue where the OCP module experiences link width degradation in the system.
- This product fixes the issue where PXE boot does not work with VLAN configurations.

### **Enhancements**

- This product removes the Ethernet/LLDPTransmit/ManagementVlanId property to streamline configuration.
- This product enhances the coredump feature in the BNXT driver for improved diagnostics.
- This product enhances to update the driver to suppress the HII MBA menu for a cleaner interface.

### **Supported Devices and Features**

This product supports the following network adapters:

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## **Broadcom NX1 Online Firmware Upgrade Utility Linux x86\_64**

Version: 2.40.0 (Recommended)

### **Important Note!**

HV recommends Broadcom tg3 Ethernet Drivers, versions 3.139q or later, for use with this firmware.

### **Prerequisites**

This product requires the appropriate driver for your device and operating system to be installed before the firmware is updated. Also, install the Out of Box (OOB) and ensure the driver is loaded and running before attempting the firmware update.

- Follow the command line to bring up ethernet device:

```
# ifup ethX or ifconfig ethX up or wicked ifup ethX
```

If local system doesn't configure any network interface for the adapter that are necessary then to create the network config file to bring up interface.

- For example in sles15sp1, To create ifcfg-ethX files under /etc/sysconfig/network/

### **Enhancements**

This product enhances libfwupg to improve NVRAM configuration updates.

### **Supported Devices and Features**

This product supports the following network adapters:

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## **Broadcom NX1 Online Firmware Upgrade Utility VMware .**

Version: 1.41.0 (Recommended)

### **Important Note!**

This software package contains combo image v20.32.41 with the following firmware versions:

NIC	Boot Code Version	PXE Version	NCSI Version	UEFI Version
Ethernet 1Gb 4-port 331i Adapter (22BE) Ethernet 1Gb 4-port 331FLR Adapter Ethernet 1Gb 4-port 331T Adapter	1.60	21.6.4	1.5.60	21.6.85
Ethernet 1Gb 2-port 332i Adapter (22E8) Ethernet 1Gb 2-port 332T Adapter	1.43	21.6.4	1.5.60	21.6.85

### **Prerequisites**

This product requires the appropriate driver for your device and operating system be installed before firmware is updated.

### **Enhancements**

This product enhances libfwupg to improve NVRAM configuration updates.

### **Supported Devices and Features**

This product supports the following network adapters:

- Ethernet 1Gb 4-port 331i Adapter (22BE)
- Ethernet 1Gb 4-port 331FLR Adapter
- Ethernet 1Gb 4-port 331T Adapter
- Ethernet 1Gb 2-port 332i Adapter (22E8)
- Ethernet 1Gb 2-port 332T Adapter

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### **Broadcom NX1 Online Firmware Upgrade Utility Windows Server x64 Editions**

Version: 5.4.4.0 (Recommended)

### **Important Note!**

This software package contains combo image v20.32.41 with the following firmware versions:

NIC	Boot Code Version	PXE Version	NCSI Version	UEFI Version
Ethernet 1Gb 4-port 331i Adapter (22BE) Ethernet 1Gb 4-port 331FLR Adapter Ethernet 1Gb 4-port 331T Adapter	1.60	21.6.4	1.5.60	21.6.85
Ethernet 1Gb 2-port 332i Adapter (22E8) Ethernet 1Gb 2-port 332T Adapter	1.43	21.6.4	1.5.60	21.6.85

### **Prerequisites**

This product requires the appropriate driver for your device and operating system be installed before firmware is updated.

### **Enhancements**

This product enhances libfwupg to improve NVRAM configuration updates.

### **Supported Devices and Features**

This product supports the following network adapters:

- Ethernet 1Gb 4-port 331i Adapter (22BE)
- Ethernet 1Gb 4-port 331FLR Adapter
- Ethernet 1Gb 4-port 331T Adapter
- Ethernet 1Gb 2-port 332i Adapter (22E8)

- Ethernet 1Gb 2-port 332T Adapter

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## Intel Online Firmware Upgrade Utility for Windows Server x64 Editions.

Version: 5.4.3.0 (B) (Recommended)

### **Important Note!**

- This software package contains the following firmware versions for the below listed supported network adapters:

NIC	EEPROM/NV M Version	OROM Version	Single NVM Version
Ethernet 1Gb 2-port 361i Adapter	8000119A	1.3686.0	N/A
Ethernet 1Gb 2-port 361T Adapter	80001147	1.3686.0	N/A
Ethernet 1Gb 4-port 366FLR Adapter	800011A1	1.3686.0	N/A
Ethernet 1Gb 4-port 366T Adapter	800011F1	1.3686.0	N/A
Ethernet 1Gb 4-port 369i Adapter	80003AC3	1.3686.0	N/A
Ethernet 10Gb 2-port 562FLR-SFP+ Adapter	8000F231	1.3686.0	11.1.7
Ethernet 10Gb 2-port 562FLR-T Adapter	800016F1	1.3686.0	10.55.3
Ethernet 10Gb 2-port 562SFP+ Adapter	8000F232	1.3686.0	11.1.7
Ethernet 10Gb 2-port 562T Adapter	800016EF	1.3686.0	10.55.3

- The combo image v1.3686.0 includes: Boot Agent: 1GbE - v1.5.90, 10GbE - v2.4.54, 40GbE - v1.1.45 & UEFI Drivers: 1GbE - v9.8.62, 10GbE - v8.2.47, 40GbE - v5.0.12
- Single NVM Version is new firmware format which represent an unified version in place of the previously used EEPROM/NVM Version or OROM version.
- This software package no longer contains Firmware for the below listed supported network adapters:
  - Ethernet 1Gb 2-port 363i Adapter
  - Ethernet 1Gb 4-port 366i Adapter
  - Ethernet 1Gb 4-port 366i Communication Board
  - The latest firmware version of above adapters.

### **Prerequisites**

This product requires the appropriate driver for your device and operating system be installed before firmware is updated.

### **Enhancements**

This product now supports Azure Stack HCI OS.

### **Supported Devices and Features**

This package supports the following network adapters:

- Ethernet 1Gb 2-port 361i Adapter
- Ethernet 1Gb 2-port 361T Adapter
- Ethernet 1Gb 4-port 366FLR Adapter
- Ethernet 1Gb 4-port 366T Adapter
- Ethernet 1Gb 4-port 369i Adapter
- Ethernet 10Gb 2-port 562FLR-SFP+ Adapter
- Ethernet 10Gb 2-port 562FLR-T Adapter
- Ethernet 10Gb 2-port 562SFP+ Adapter
- Ethernet 10Gb 2-port 562T Adapter

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## Intel Online Firmware Upgrade Utility Linux x86\_64.

Version: 1.32.0 (Recommended)

### **Important Note!**

HV recommends at least one of the following drivers, as appropriate for your device, for use with this firmware:

- Intel igb Drivers for Linux, versions 6.17.4-1 or later
- Intel ixgbe Drivers for Linux, versions 5.21.5-1 or later
- Intel i40e Drivers for Linux, versions 2.26.8-1 or later

### **Prerequisites**

This package requires the appropriate driver for your network adapter to be installed and all Ethernet ports brought up before firmware can be updated.

- Follow the command line to bring up ethernet device:

# ifup ethX or ifconfig ethX up or wicked ifup ethX If local system doesn't configure any network interface for the adapter that are necessary then to create the network config file to bring up interface.

- For example in sles15sp1, To create ifcfg-ethX files under /etc/sysconfig/network/

### **Enhancements**

This product enhanced the compatibility with the latest drivers.

### **Supported Devices and Features**

This package supports the following network adapters:

- Ethernet 1Gb 2-port 361i Adapter
- Ethernet 1Gb 2-port 361T Adapter
- Ethernet 1Gb 4-port 366FLR Adapter
- Ethernet 1Gb 4-port 366T Adapter
- Ethernet 1Gb 4-port 369i Adapter
- Ethernet 10Gb 2-port 562FLR-SFP+ Adapter
- Ethernet 10Gb 2-port 562FLR-T Adapter
- Ethernet 10Gb 2-port 562SFP+ Adapter
- Ethernet 10Gb 2-port 562T Adapter

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## Intel Online Firmware Upgrade Utility VMware.

Version: 3.25.0 (B) (Recommended)

### **Important Note!**

- This software package contains the following firmware versions for the below listed supported network adapters:

NIC	EEPROM/NV M Version	OROM Version	Single NVM Version
Ethernet 1Gb 2-port 361i Adapter	8000119A	1.3686.0	N/A
Ethernet 1Gb 2-port 361T Adapter	80001147	1.3686.0	N/A
Ethernet 1Gb 4-port 366FLR Adapter	800011A1	1.3686.0	N/A
Ethernet 1Gb 4-port 366T Adapter	800011F1	1.3686.0	N/A
Ethernet 1Gb 4-port 369i Adapter	80003AC3	1.3686.0	N/A
Ethernet 10Gb 2-port 562FLR-SFP+ Adapter	8000F231	1.3686.0	11.1.7
Ethernet 10Gb 2-port 562FLR-T Adapter	800016F1	1.3686.0	10.55.3
Ethernet 10Gb 2-port 562SFP+ Adapter	8000F232	1.3686.0	11.1.7

Ethernet 10Gb 2-port 562T Adapter	800016EF	1.3686.0	10.55.3
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- The combo image v1.3686.0 includes: Boot Agent: 1GbE - v1.5.90, 10GbE - v2.4.54, 40GbE - v1.1.45 & UEFI Drivers: 1GbE - v9.8.62, 10GbE - v8.2.47, 40GbE - v5.0.12
- Single NVM Version is new firmware format which represent an unified version in place of the previously used EEPROM/NVM Version or OROM version.
- This software package no longer contains Firmware for the below listed supported network adapters:
- The latest firmware version of above adapters.

### **Prerequisites**

This product requires the appropriate driver for your device and operating system be installed before firmware is updated.

### **Enhancements**

This product now supports VMware 9.0

### **Supported Devices and Features**

This package supports the following network adapters:

- Ethernet 1Gb 2-port 361i Adapter
- Ethernet 1Gb 2-port 361T Adapter
- Ethernet 1Gb 4-port 366FLR Adapter
- Ethernet 1Gb 4-port 366T Adapter
- Ethernet 1Gb 4-port 369i Adapter
- Ethernet 10Gb 2-port 562FLR-SFP+ Adapter
- Ethernet 10Gb 2-port 562FLR-T Adapter
- Ethernet 10Gb 2-port 562SFP+ Adapter
- Ethernet 10Gb 2-port 562T Adapter

## **QLogic FastLinQ Firmware Package for Arrowhead adapters**

Version: 8.65.23 (Recommended)

### **Important Note!**

For Firmware installation, there is no OS and drivers dependency. For Firmware compatibility during production, HV recommends the drivers for use with the firmware Package product as below,

- QLogic FastLinQ 10/25/50 GbE Drivers for Linux, version 8.74.6.0-x or later
- QLogic FastLinQ 10/25/50 GbE Drivers for Microsoft Windows Server x64 Editions, version 8.72.21.0 or later
- QLogic FastLinQ 10/25/50 GbE Multifunction Drivers for VMware, version 2025.03.00 or later This software package contains combo image v8.65.23. This combo image includes: Boot Code (MFW):

8.65.7.0, PXE: 2.0.19, and UEFI: 4.1.13.2.

### **Enhancements**

This product enhanced the compatibility with drivers.

### **Supported Devices and Features**

This product supports the following network adapters:

## **QLogic NX2 Online Firmware Upgrade Utility for Linux x86\_64**

Version: 2.37.0 (Recommended)

### **Important Note!**

HV recommends QLogic NX2 10/20GbE Multifunction Drivers for Linux, versions 7.15.24-x or later, for use with the

firmware in this package.

### **Prerequisites**

This package requires the appropriate driver for your network adapter be installed on all Ethernet ports brought up (ifup ethX or ifconfig ethX up or wicked ifup ethX) before firmware can be updated. If local system doesn't configure any network interface for the adapter that are necessary to create the network config file to bring up interface.- For example in sles15sp1, To create ifcfg-ethX files under /etc/sysconfig/network/.

### **Enhancements**

This product enhanced the compatibility with drivers.

### **Supported Devices and Features**

This product supports the following network adapters:

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### **QLogic NX2 Online Firmware Upgrade Utility for VMware**

Version: 1.37.0 (Recommended)

### **Important Note!**

HV recommends QLogic NX2 10/20GbE Multifunction Drivers for VMware, versions 2025.03.00 or later, for use with this firmware. This software package contains combo image v7.19.27 with the following firmware versions:

NIC	Boot Code Version	PXE Version	UEFI Version	iSCSI Version	FCoE Version	CCM Version	L2 Version
Ethernet 10Gb 2-port 530SFP+ Adapter Ethernet 10Gb 2-port 530T Adapter	7.16.15	7.14.13	8.9.3	n/a	n/a	7.14.4	7.12.25
Ethernet 10Gb 2-port 533FLR-T Adapter	7.16.15	7.14.13	8.9.3	7.14.0	7.14.3	7.14.4	7.12.25

### **Prerequisites**

This product requires the appropriate driver for your device and operating system be installed before firmware is updated.

### **Enhancements**

This product enhanced the compatibility with drivers.

### **Supported Devices and Features**

This product supports the following network adapters:

- Ethernet 10Gb 2-port 530SFP+ Adapter
- Ethernet 10Gb 2-port 530T Adapter
- Ethernet 10Gb 2-port 533FLR-T Adapter

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### **QLogic NX2 Online Firmware Upgrade Utility for Windows Server x64 Editions**

Version: 5.3.9.0 (Recommended)

### **Important Note!**

HV recommends at least one of the following drivers, as appropriate for your device, for use with this firmware:

- QLogic NX2 10/20GbE Multifunction Drivers for Windows Server x64 Editions, version 7.13.221.0 or later This software package contains combo image v7.19.27 with the following firmware versions:

NIC	Boot	PXE	UEFI	iSCSI	FCoE	CCM	L2
-----	------	-----	------	-------	------	-----	----

	Code Version	Version	Version	Version	Version	Version	Version
Ethernet 10Gb 2-port 530SFP+ Adapter Ethernet 10Gb 2-port 530T Adapter	7.16.15	7.14.13	8.9.3	n/a	n/a	7.14.4	7.12.25
Ethernet 10Gb 2-port 533FLR-T Adapter	7.16.15	7.14.13	8.9.3	7.14.0	7.14.3	7.14.4	7.12.25

The users will only see the combo image versions in the interactive mode firmware update or while using SUM/SPV to update the firmware on the supported adapters.

### **Prerequisites**

This product requires the appropriate driver for your device and operating system be installed before firmware is updated.

### **Enhancements**

This product enhanced the compatibility with drivers.

### **Supported Devices and Features**

This product supports the following network adapters:

- Ethernet 10Gb 2-port 530SFP+ Adapter
- Ethernet 10Gb 2-port 530T Adapter
- Ethernet 10Gb 2-port 533FLR-T Adapter

## **Intel Firmware Package For E810-CQDA2 Ethernet 100Gb 2-port QSFP28 Adapter**

Version: 4.60 (B) (Recommended)

### **Important Note!**

For Firmware installation, there is no OS and drivers dependency. For Firmware compatibility during production, HV recommends the drivers for use with the firmware Package product as below,

- Intel ica Driver for Microsoft Windows Server, version 1.15.121.0 or later
- Intel ice Drivers for Linux, version 1.15.4-1 or later
- Intel icen Driver for VMware, version 2024.11.00 or later This FW version does not support Port.Reset RDE metrics. This product will be enhance to improve the functions in the future release

### **Enhancements**

Add new support platform.

### **Supported Devices and Features**

This product supports the following network adapters:

- Intel E810-CQDA2 Ethernet 100Gb 2-port QSFP28 Adapter

## **Intel Firmware Package For E810-CQDA2 Ethernet 100Gb 2-port QSFP28 OCP3 Adapter**

Version: 4.60 (B) (Recommended)

### **Important Note!**

For Firmware installation, there is no OS and drivers dependency. For Firmware compatibility during production, HV recommends the drivers for use with the firmware Package product as below,

- Intel ica Driver for Microsoft Windows Server, version 1.15.121.0 or later
- Intel ice Drivers for Linux, version 1.15.4-1 or later

- Intel icen Driver for VMware, version 2024.11.00 or later This FW version does not support Port.Reset RDE metrics. This product will be enhance to improve the functions in the future release

### **Enhancements**

Add new support platform.

### **Supported Devices and Features**

This product supports the following network adapters:

- Intel E810-CQDA2 Ethernet 100Gb 2-port QSFP28 OCP3 Adapter

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## **Intel Firmware Package For E810-XXVDA2 Ethernet 10/25Gb 2-port SFP28 Adapter**

Version: 4.60 (B) (Recommended)

### **Important Note!**

For Firmware installation, there is no OS and drivers dependency.For Firmware compatibility during production, recommends the drivers for use with the firmware Package product as below,

- Intel icea Driver for Microsoft Windows Server, version 1.15.121.0 or later
- Intel ice Drivers for Linux, version 1.15.4-1 or later
- Intel icen Driver for VMware, version 2024.11.00 or later This FW version does not support Port.Reset RDE metrics. This product will be enhance to improve the functions in the future release

### **Enhancements**

Add new support platform.

### **Supported Devices and Features**

This product supports the following network adapters:

- Intel E810-XXVDA2 Ethernet 10/25Gb 2-port SFP28 Adapter

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## **Intel Firmware Package For E810-XXVDA2 Ethernet 10/25Gb 2-port SFP28 OCP3 Adapter**

Version: 4.60 (B) (Recommended)

### **Important Note!**

For Firmware installation, there is no OS and drivers dependency.For Firmware compatibility during production, HV recommends the drivers for use with the firmware Package product as below,

- Intel icea Driver for Microsoft Windows Server, version 1.15.121.0 or later
- Intel ice Drivers for Linux, version 1.15.4-1 or later
- Intel icen Driver for VMware, version 2024.11.00 or later This FW version does not support Port.Reset RDE metrics. This product will be enhance to improve the functions in the future release

### **Enhancements**

Add new support platform.

### **Supported Devices and Features**

This product supports the following network adapters:

- Intel E810-XXVDA2 Ethernet 10/25Gb 2-port SFP28 OCP3 Adapter

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## **Intel Firmware Package For E810-XXVDA4 Ethernet 10/25Gb 4-port SFP28 Adapter**

Version: 4.60 (B) (Recommended)

### **Important Note!**

For Firmware installation, there is no OS and drivers dependency.For Firmware compatibility during production, HV

recommends the drivers for use with the firmware Package product as below,

- Intel ica Driver for Microsoft Windows Server, version 1.15.121.0 or later
- Intel ice Drivers for Linux, version 1.15.4-1 or later
- Intel icen Driver for VMware, version 2024.11.00 or later This FW version does not support Port.Reset RDE metrics. This product will be enhance to improve the functions in the future release

### **Enhancements**

Add new support platform.

### **Supported Devices and Features**

This product supports the following network adapters:

- Intel E810-XXVDA4 Ethernet 10/25Gb 4-port SFP28 Adapter

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## **Intel Online Firmware Upgrade Utility for Linux x86\_64**

Version: 1.32.0 (Recommended)

### **Prerequisites**

This product requires the appropriate driver for your device and operating system be installed before firmware is updated.

### **Enhancements**

This product enhanced the compatibility with the latest drivers.

### **Supported Devices and Features**

This package supports the following network adapters:

- Intel(R) I350 Gigabit Network Connection (2-port)
- Intel(R) I350 Gigabit Network Connection (4-port)

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## **Intel Online Firmware Upgrade Utility for VMware**

Version: 3.25.0 (B) (Recommended)

### **Important Note!**

This software package contains the following firmware versions for the below listed supported network adapters:

NIC	EEPROM/N VM Version	OROM Version	NVM Version
Ethernet 10Gb 2-port SFP+ OCP3 X710-DA2 Adapter	8000F6CA	1.3682.0	9.52
Ethernet 10Gb 2-port SFP+ X710- DA2 Adapter	8000F6C9	1.3682.0	9.52
Intel I350-T4 Ethernet 1Gb 4-port BASE-T Adapter	8000123F	1.3682.0	N/A
Intel I350-T4 Ethernet 1Gb 4-port BASE-T OCP3 Adapter	80001234	1.3682.0	N/A
Intel(R) I350 Gigabit Network Connection (2-port)	8000119C	1.3682.0	N/A
Intel(R) I350 Gigabit Network Connection (4-port)	8000119D	1.3682.0	N/A

The combo image v1.3682.0 includes: Boot Agent: 1GbE - v1.5.90, 10GbE - v2.4.54, 40GbE - v1.1.45 & UEFI Drivers: 1GbE - v9.8.62, 10GbE - v8.2.47, 40GbE - v5.0.12 Single NVM Version is new firmware format which represent an unified version in place of the previously used EEPROM/NVM Version or OROM version.

### **Prerequisites**

This product requires the appropriate driver for your device and operating system be installed before firmware is updated.

### **Enhancements**

This product now supports VMware 9.0

## **Supported Devices and Features**

This package supports the following network adapters:

- Ethernet 10Gb 2-port SFP+ OCP3 X710-DA2 Adapter
- Ethernet 10Gb 2-port SFP+ X710- DA2 Adapter
- Intel I350-T4 Ethernet 1Gb 4-port BASE-T Adapter
- Intel I350-T4 Ethernet 1Gb 4-port BASE-T OCP3 Adapter
- Intel(R) I350 Gigabit Network Connection (2-port)
- Intel(R) I350 Gigabit Network Connection (4-port)

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## **Intel Online Firmware Upgrade Utility for Windows Server x64 Editions**

Version: 5.4.3.0 (B) (Recommended)

### **Important Note!**

This software package contains the following firmware versions for the below listed supported network adapters:

NIC	EEPROM/N VM Version	OROM Version	NVM Version
Ethernet 10Gb 2-port SFP+ OCP3 X710-DA2 Adapter	8000F6CA	1.3682.0	9.52
Ethernet 10Gb 2-port SFP+ X710- DA2 Adapter	8000F6C9	1.3682.0	9.52
Intel I350-T4 Ethernet 1Gb 4-port BASE-T Adapter	8000123F	1.3682.0	N/A
Intel I350-T4 Ethernet 1Gb 4-port BASE-T OCP3 Adapter	80001234	1.3682.0	N/A
Intel(R) I350 Gigabit Network Connection (2-port)	8000119C	1.3682.0	N/A
Intel(R) I350 Gigabit Network Connection (4-port)	8000119D	1.3682.0	N/A

The combo image v1.3682.0 includes: Boot Agent: 1GbE - v1.5.90, 10GbE - v2.4.54, 40GbE - v1.1.45 & UEFI Drivers: 1GbE - v9.8.62, 10GbE - v8.2.47, 40GbE - v5.0.12 Single NVM Version is new firmware format which represent an unified version in place of the previously used EEPROM/NVM Version or OROM version.

### **Prerequisites**

This product requires the appropriate driver for your device and operating system be installed before firmware is updated.

### **Enhancements**

This product now supports Azure Stack HCI OS.

## **Supported Devices and Features**

This package supports the following network adapters:

- Ethernet 10Gb 2-port SFP+ OCP3 X710-DA2 Adapter
- Ethernet 10Gb 2-port SFP+ X710- DA2 Adapter
- Intel I350-T4 Ethernet 1Gb 4-port BASE-T Adapter
- Intel I350-T4 Ethernet 1Gb 4-port BASE-T OCP3 Adapter
- Intel(R) I350 Gigabit Network Connection (2-port)
- Intel(R) I350 Gigabit Network Connection (4-port)

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## **Mellanox Firmware Package (FWPKG) - Mellanox MCX631102AS-ADAT Ethernet 10/25Gb 2-port SFP28 Adapter**

Version: 26.43.1014 (Recommended)

Ax.pldm.json

### **Important Note!**

Disclaimer: Please follow the instructions on <http://www.nvidia.com/> to download NVIDIA software or

documentation. When downloading the NVIDIA software or documentation, you may be subject to NVIDIA terms and conditions, including licensing terms, if any, provided on its website or otherwise. HV is not responsible for your use of any software or documents that you download from <http://www.nvidia.com/>, except that HV may provide a limited warranty for NVIDIA software in accordance with the terms and conditions of your purchase of the HV product or solution. A list of known issues with this release is available at: <https://docs.nvidia.com/networking/display/connectx6lxfirmwarev26431014/known+issues>

### **Prerequisites**

FWPKG will work only if the firmware version flashed on the adapter is 20.27.1016 or later and iLO5 firmware version must be 2.30 or higher.

### **Fixes**

The following issues have been fixed in version 26.43.1014:

- Setup crash would occur when create\_sq used invalid mbox. Now the invalid mbox is replaced with a valid DB.
- Fixed the query for FACTORY default NV configuration values. The firmware always returned the "next" value to be applied.

### **Enhancements**

**Security Hardening Enhancements: This release contains important reliability improvements and security hardening enhancements. HV recommends upgrading your device's firmware to this release to improve the firmware security and reliability of your device. New features and changes included in version 26.43.1014:**

- Added a recovery step in case of CQ doorbell getting lost during VF migration.
- Added the option to indicate an error CQE event on every selected function per eSwitch manager. This indication is defined as a new WQE including the relevant information about the error (such as: syndrome, function\_id, timestamp, QPs num etc.). The feature is configured using a new general object: RDMA-Telemetry object, and depends on the following new caps:  
HCA\_CAP.rdma\_telemetry\_notification\_types and HCA\_CAP.rdma\_telemetry.
- Extended kernel lockdown permission set. The following sub-operations can now be called by tools (permission TOOLS\_RESOURCES) using new HCA capability bitmask field: tool\_partial\_cap.

The 5 sub-operations are:

- QUERY\_HCA\_CAP with other function
  - QUERY\_VUID with direct data
  - QUERY\_ROCE\_ADDRESS with other vport
  - SET\_HCA\_CAP with other function
  - POSTPONE\_CONNECTED\_QP\_TIMEOUT with other vport
- The new added caps are:
- tool\_partial\_cap.postpone\_conn\_qp\_timeout\_other\_vport,
  - tool\_partial\_cap.set\_hca\_cap\_other\_func
  - tool\_partial\_cap.query\_roce\_addr\_other\_vport
  - tool\_partial\_cap.query\_vuid\_direct\_data
  - tool\_partial\_cap.query\_hca\_cap\_other\_func
- Added 'table\_type\_valid' and 'table\_type' fields to the steering action (STC) "Jump To Flow" table parameters to enable the user to jump from NIC\_TX to FDB\_TX and bypass the ACL table.
  - Enabled hop reduction by bypassing NIC domain in various use cases. Such action reduces the number of hops (improves PPS) to deal with mass number of flows and devices. To enable this new capability, a new STC action type "JUMP\_TO\_FDB\_RX" was added to allow jumping into the RX side of a table.

## Supported Devices and Features

Part Number Mellanox Ethernet Only Adapters PSID P42044-B21 Mellanox MCX631102AS-ADAT Ethernet 10/25Gb 2-port SFP28 Adapter MT\_0000000575

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## **Mellanox Firmware Package (FWPKG) - Mellanox MCX631432AS-ADAI Ethernet 10/25Gb 2-port SFP28 OCP3 Adapter**

Version: 26.43.1014 (Recommended)

Ax.pldm.json

## Important Note!

Disclaimer: Certain software including drivers and documents may be available from NVIDIA. If you select a URL that directs you to <http://www.nvidia.com/>. Please follow the instructions on <http://www.nvidia.com/> to download NVIDIA software or documentation. When downloading the NVIDIA software or documentation, you may be subject to NVIDIA terms and conditions, including licensing terms, if any, provided on its website or otherwise. HV is not responsible for your use of any software or documents that you download from <http://www.nvidia.com/>, except that HV may provide a limited warranty for NVIDIA software in accordance with the terms and conditions of your purchase of the product or solution. A list of known issues with this release is available at: <https://docs.nvidia.com/networking/display/connectx6lxfirmwarev26431014/known+issues>

## Prerequisites

FWPKG will work only if the firmware version flashed on the adapter is 20.27.1016 or later and iLO5 firmware version must be 2.30 or higher.

## Fixes

The following issues have been fixed in version 26.43.1014:

- Setup crash would occur when create\_sq used invalid mbox. Now the invalid mbox is replaced with a valid DB.
- Fixed the query for FACTORY default NV configuration values. The firmware always returned the "next" value to be applied.

## Enhancements

**Security Hardening Enhancements: This release contains important reliability improvements and security hardening enhancements. HV recommends upgrading your device's firmware to this release to improve the firmware security and reliability of your device. New features and changes included in version 26.43.1014:**

- Added a recovery step in case of CQ doorbell getting lost during VF migration.
- Added the option to indicate an error CQE event on every selected function per eSwitch manager. This indication is defined as a new WQE including the relevant information about the error (such as: syndrome, function\_id, timestamp, QPs num etc.). The feature is configured using a new general object: RDMA-Telemetry object, and depends on the following new caps:

HCA\_CAP.rdma\_telemetry\_notification\_types and HCA\_CAP.rdma\_telemetry.

- Extended kernel lockdown permission set. The following sub-operations can now be called by tools (permission TOOLS\_RESOURCES) using new HCA capability bitmask field: tool\_partial\_cap.

The 5 sub-operations are:

- QUERY\_HCA\_CAP with other function
- QUERY\_VUID with direct data
- QUERY\_ROCE\_ADDRESS with other vport
- SET\_HCA\_CAP with other function
- POSTPONE\_CONNECTED\_QP\_TIMEOUT with other vport The new added caps are:
- tool\_partial\_cap.postpone\_conn\_qp\_timeout\_other\_vport,

- tool\_partial\_cap.set\_hca\_cap\_other\_func
- tool\_partial\_cap.query\_roce\_addr\_other\_vport
- tool\_partial\_cap.query\_vuid\_direct\_data
- tool\_partial\_cap.query\_hca\_cap\_other\_func
- Added 'table\_type\_valid' and 'table\_type' fields to the steering action (STC) "Jump To Flow" table parameters to enable the user to jump from NIC\_TX to FDB\_TX and bypass the ACL table.
- Enabled hop reduction by bypassing NIC domain in various use cases. Such action reduces the number of hops (improves PPS) to deal with mass number of flows and devices. To enable this new capability, a new STC action type "JUMP\_TO\_FDB\_RX" was added to allow jumping into the RX side of a table.

### **Supported Devices and Features**

Part Number Mellanox Ethernet Only Adapters PSID P42041-B21 Mellanox MCX631432AS-ADAI Ethernet 10/25Gb 2-port SFP28 OCP3 Adapter MT\_0000000551

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### **Mellanox Firmware Package (FWPKG) for Mellanox MCX562A-ACAI Ethernet 10/25Gb 2-port SFP28 OCP3 Adapter**

Version: 16.35.4030 (Recommended)

### **Important Note!**

Disclaimer: Please follow the instructions on <http://www.nvidia.com/> to download NVIDIA software or documentation. When downloading the NVIDIA software or documentation, you may be subject to NVIDIA terms and conditions, including licensing terms, if any, provided on its website or otherwise. HV is not responsible for your use of any software or documents that you download from <http://www.nvidia.com/>, except that HV may provide a limited warranty for NVIDIA software in accordance with the terms and conditions of your purchase of the HV product or solution. A list of known issues with this release is available at: <https://docs.nvidia.com/networking/display/connectx5firmwarev16354030/known+issues>

### **Prerequisites**

FWPKG will work only if the firmware version flashed on the adapter is 16.27.1016 or later and iLO5 firmware version must be 2.30 or higher.

### **Fixes**

The following issues have been fixed in version 16.35.4030:

- VF FLR would get stuck when its PF triggered the FLR as well.
- Unexpected source UDP port appeared in RoCE packets when the firmware ignored a non-PF driver configuration for RoCE source UDP port control (as set in SET\_HCA\_CAP.sw\_r\_roce\_src\_udp\_port).

### **Enhancements**

**Important : Security Hardening Enhancements - This release contains important reliability improvements and security hardening enhancements. HV recommends upgrading your device firmware to this version to improve the firmware security and reliability of your device. New features and changes included in version 16.35.4030:**

- Added support for postponing QP timeout "retry exceeded" errors for traffic directed at specific destinations. This new capability prevents broken connections for destinations in downtime because of live migration.

### **Supported Devices and Features**

Part Number Mellanox Ethernet Only Adapters PSID P10112-B21 Mellanox MCX562A-ACAI Ethernet 10/25Gb 2-port SFP28 OCP3 Adapter MT\_0000000241

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**Mellanox Firmware Package (FWPKG) InfiniBand HDR100/Ethernet 100Gb 2-port QSFP56 PCIe4 x16 MCX653106A-ECAT Adapter : part numbers P23666-B21 and P23666-H21**

Version: 20.43.1014 (Recommended)

**Important Note!**

For PLDM enabled VPI (Virtual Protocol Interconnect) adapters supporting both InfiniBand mode and Ethernet modes, every firmware version is made available:

1. Signed PLDM Firmware Package (.FWPKG filename extension) updatable via iLO.
2. Firmware binary (.bin filename extension) updatable via mstflint utility from the Operating System.

Choose the appropriate firmware file format based on your preference and what suits your environment. ConnectX-6 VPI supports having one port as InfiniBand and the other port as Ethernet according to the following matrix of combinations.

Port #2 - InfiniBand				
Port #1 – Ethernet	HDR/HDR100	EDR	FDR	QDR
200GbE/50GbE	supported	not supported	not supported	supported
100GbE/25GbE	supported	not supported	not supported	supported
40GbE/10GbE	supported	not supported	not supported	supported
1GbE	supported	not supported	not supported	supported

Port #2 - Ethernet				
Port #1 – Ethernet	HDR/HDR100	EDR	FDR	QDR
200GbE/50GbE	supported	supported	not supported	supported
100GbE/25GbE	supported	supported	not supported	supported
40GbE/10GbE	not supported	not supported	not supported	supported
1GbE	supported	supported	not supported	supported

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**Prerequisites**

FWPKG will work only if the firmware version flashed on the adapter is 20.27.1016 or later and iLO5 firmware version must be 2.30 or higher.

**Fixes**

The following issues have been fixed in version 20.43.1014:

- Setup crash when "create\_sq" used invalid mbox.
- The firmware always returned the "next" value to be applied when querying FACTORY default NV configuration values.

**Enhancements**

**Security Hardening Enhancements: This release contains important reliability improvements and security hardening enhancements. HV recommends upgrading your device's firmware to this release to improve the firmware security**

**and reliability of your device. New features and changes included in version 20.43.1014:**

- Added the option to indicate an error CQE event on every selected function per eSwitch manager. This indication is defined as a new WQE including the relevant information about the error (such as: syndrome, function\_id, timestamp, QPs num etc.).
- Extended kernel lockdown permission set. The following sub-operations can now be called by tools (permission TOOLS\_RESOURCES) using new HCA capability bitmask field: tool\_partial\_cap.

The 5 sub-operations are:

- QUERY\_HCA\_CAP with other function
  - QUERY\_VUID with direct data
  - QUERY\_ROCE\_ADDRESS with other vport
  - SET\_HCA\_CAP with other function
  - POSTPONE\_CONNECTED\_QP\_TIMEOUT with other vport
- The new added caps are:
- tool\_partial\_cap.postpone\_conn\_qp\_timeout\_other\_vport,
  - tool\_partial\_cap.set\_hca\_cap\_other\_func
  - tool\_partial\_cap.query\_roce\_addr\_other\_vport
  - tool\_partial\_cap.query\_vuid\_direct\_data
  - tool\_partial\_cap.query\_hca\_cap\_other\_func

**Supported Devices and Features**

This software package contains the following firmware versions:

Mellanox InfiniBand Adapter	Firmware Version	PSID
InfiniBand HDR100/Ethernet 100Gb 2-port QSFP56 PCIe4 x16 MCX653106A-ECAT Adapter (P23666-B21 and P23666-H21)	20.43.1014	MT_0000000453

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**Mellanox Firmware Package (FWPKG) for Mellanox MCX623106AS-CDAT Ethernet 100Gb 2-port QSFP56 Adapter**

Version: 22.43.1014 (Recommended)  
Ax.pldm.json

**Important Note!**

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**Prerequisites**

FWPKG will work only if the firmware version flashed on the adapter is 22.27.1016 or later and iLO5 firmware version must be 2.30 or higher.

**Fixes**

The following issues have been fixed in version 22.43.1014:

- Setup crash would occur when create\_sq used invalid mbox. Now the invalid mbox is replaced with a valid DB.
- An upgrade issue that required firmware v22.36.1010 as an intermediate version when upgrading the firmware from v22.33.0428 or below to versions above 22.36.1010.

- Fixed the query for FACTORY default NV configuration values. The firmware always returned the "next" value to be applied.

## **Enhancements**

**Security Hardening Enhancements: This release contains important reliability improvements and security hardening enhancements. HV recommends upgrading your device's firmware to this release to improve the firmware security and reliability of your device. New features and changes included in version 22.43.1014:**

- Added a recovery step in case of CQ doorbell getting lost during VF migration.
- Added the option to indicate an error CQE event on every selected function per eSwitch manager. This indication is defined as a new WQE including the relevant information about the error (such as: syndrome, function\_id, timestamp, QPs num etc.). The feature is configured using a new general object: RDMA-Telemetry object, and depends on the following new caps:  
HCA\_CAP.rdma\_telemetry\_notification\_types and HCA\_CAP.rdma\_telemetry .
- Extended kernel lockdown permission set. The following sub-operations can now be called by tools (permission TOOLS\_RESOURCES) using new HCA capability bitmask field: tool\_partial\_cap.  
The 5 sub-operations are:
  - QUERY\_HCA\_CAP with other function
  - QUERY\_VUID with direct data
  - QUERY\_ROCE\_ADDRESS with other vport
  - SET\_HCA\_CAP with other function
  - POSTPONE\_CONNECTED\_QP\_TIMEOUT with other vport
 The new added caps are:
  - tool\_partial\_cap.postpone\_conn\_qp\_timeout\_other\_vport,
  - tool\_partial\_cap.set\_hca\_cap\_other\_func
  - tool\_partial\_cap.query\_roce\_addr\_other\_vport
  - tool\_partial\_cap.query\_vuid\_direct\_data
  - tool\_partial\_cap.query\_hca\_cap\_other\_func
- Added 'table\_type\_valid' and 'table\_type' fields to the steering action (STC) "Jump To Flow" table parameters to enable the user to jump from NIC\_TX to FDB\_TX and bypass the ACL table.
- Enabled hop reduction by bypassing NIC domain in various use cases. Such action reduces the number of hops (improves PPS) to deal with mass number of flows and devices. To enable this new capability, a new STC action type "JUMP\_TO\_FDB\_RX" was added to allow jumping into the RX side of a table.
- Added support for QoS scheduling across multiple E-Switches grouped in a LAG. VPort members of a Physical Function can be added to a rate group from another Physical Function and rate limits of the group will apply to those VPort members as well.
- Increased the maximum number of supported "ARC-IN" from 1 to 8 and "ARCOUT" from 3 to 8 for the dynamic flex parser.

## **Supported Devices and Features**

Part Number	Mellanox Ethernet Only Adapters	PSID
P25960-B21	Mellanox MCX623106AS-CDAT Ethernet 100Gb 2-port QSFP56 Adapter	MT_0000000437

## **Mellanox Firmware Package(FWPKG) Ethernet 10/25Gb 2-port SFP28 MCX512F-ACHT Adapter**

Version: 16.35.4030 (Recommended)

### **Important Note!**

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<https://www.nvidia.com/> to download NVIDIA software or documentation. When downloading the NVIDIA software or documentation, you may be subject to NVIDIA terms and conditions, including licensing terms, if any, provided on its website or otherwise. HV is not responsible for your use of any software or documents that you download from <https://www.nvidia.com/>, except that HV may provide a limited warranty for NVIDIA software in accordance with the terms and conditions of your purchase of the HV product or solution. A list of known issues with this release is available at: <https://docs.nvidia.com/networking/display/connectx5firmwarev16354030lts/known+issues>

### **Prerequisites**

FWPKG will work only if the firmware version flashed on the adapter is 16.27.1016 or later and iLO5 firmware version must be 2.30 or higher.

### **Fixes**

The following issues have been fixed in version 16.35.4030:

- VF FLR would get stuck when its PF triggered the FLR as well.
- Unexpected source UDP port appeared in RoCE packets when the firmware ignored a non-PF driver configuration for RoCE source UDP port control (as set in SET\_HCA\_CAP.sw\_r\_roce\_src\_udp\_port).

### **Enhancements**

**Important : Security Hardening Enhancements - This release contains important reliability improvements and security hardening enhancements. HV recommends upgrading your device firmware to this version to improve the firmware security and reliability of your device. New features and changes included in version 16.35.4030:**

- Added support for postponing QP timeout "retry exceeded" errors for traffic directed at specific destinations. This new capability prevents broken connections for destinations in downtime because of live migration.

### **Supported Devices and Features**

Part Number	Mellanox Ethernet Only Adapters	PSID
P13188-B21	Ethernet 10/25Gb 2-port SFP28 MCX512F-ACHT Adapter	MT_0000000416

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### **NVIDIA Firmware Package (FWPKG) InfiniBand NDR200/Ethernet 200Gb 1-port OSFP PCIe5 x16 MCX75310AAS-HEAT Adapter : part numbers P45642-B22 and P45642-H22**

Version: 28.44.1036 (Recommended)

HPE2\_Ax.pldm.json

### **Important Note!**

For PLDM enabled VPI (Virtual Protocol Interconnect) adapters supporting both InfiniBand mode and Ethernet modes, every firmware version is made available: 1. Signed PLDM Firmware Package (.FWPKG filename extension) updatable via iLO. 2. Firmware binary (.bin filename extension) updatable via mstflint utility from the Operating System. Choose the appropriate firmware file format based on your preference and what suits your environment. Disclaimer: Certain software including drivers and documents may be available from NVIDIA. If you select a URL that directs you to <http://www.nvidia.com/>. Please follow the instructions on <http://www.nvidia.com/> to download NVIDIA software or documentation. When downloading the NVIDIA software or documentation, you may be subject to NVIDIA terms and conditions, including licensing terms, if any, provided on its website or otherwise. HV is not responsible for your use of any software or documents that you download from <http://www.nvidia.com/>, except that HV may provide a limited warranty for NVIDIA software in accordance with the terms and conditions of your purchase of the HV product or solution. A list of known issues with this release is available at: <https://docs.nvidia.com/networking/display/connectx7firmwarev28441036/known+issues>

### **Prerequisites**

FWPKG will work only if the iLO5 firmware version is 2.30 or higher.

## Fixes

The following issues have been fixed in version 28.44.1036:

- Cable info semaphore deadlock.
- Improper error handling for the TLV full list, which caused the TLV mechanism to hang.
- The SPDM GET\_CERTIFICATE operation did not support all certificate chain offsets and chunk sizes.
- An issue in VDPA where destroying a virtq would cause a health buffer syndrome with ext\_synd=0x8f33 if the virtq was created without an mkey or with unmanned and mapped mkeys during live migration.
- The VDPA feature bits GUEST\_TSO4 and GUEST\_TSO6 were unexpectedly set by default, leading to traffic interruptions.
- Enabling PCC NP and setting the link type to one port as IB and the other as Ethernet could cause an assert to appear in dmesg with ext\_synd 0x8309.

## Enhancements

New features and changes included in version 28.44.1036:

- Increased the RX lossless buffer size to delay the transmission of Pause/PFC frames during NIC congestion.
- Added support for SyncE at 1G link speed.
- Added a new mechanism for allocations and deallocations flows to enhance parallelism.
- When using a multi-host deployment, each host is assigned unique ports and PFs and manages its own LAG.
- Added support for a new synchronized flow, including a tool and driver, to perform a fwreset on setups with a PCIe switch configuration.
- Unified PTP is now supported across different VFs on the same PF.
- Added support for new MADs: PortRecoveryPolicyConfig and PortRecoveryPolicyCounters . During the PHY recovery process, the firmware core will indicate the port\_logical\_state as Active.
- Added a new NV config (SM\_DISABLE, default 0) which, when enabled, blocks SMP traffic that does not originate from the SM.
- Added the ability to set cable length as a parameter in the PFCC access register. The cable length is used in the calculation of RX lossless buffer parameters, including size, Xoff, and Xon thresholds.

## Supported Devices and Features

Part Number	Mellanox Ethernet Only Adapters	PSID
P45642-B22	InfiniBand NDR200/Ethernet 200Gb 1-port OSFP PCIe5 x16 MCX75310AAS-HEAT Adapter (P45642-B22 and P45642-H22)	MT_0000001119

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## **Online Firmware Upgrade Utility (ESXi 8.0) Mellanox Ethernet only adapters**

Version: 1.0.5 (Recommended)

### Important Note!

The Firmware Upgrade Utility has been split into 2 packages for Mellanox Ethernet Only NIC adapters. This package supports Mellanox Ethernet Only NIC adapters on HA800 and Apollo servers.

### Prerequisites

Use iLO5 firmware version 2.30 or higher with ConnectX4-Lx/ConnectX5 firmware version 14.32.1010/16.32.1010 (or later) respectively. Thermal sensor reporting on the adapter will not be functional with older versions of iLO5 firmware.

## Fixes

No fixes have been included in firmware version 14.32.1900. The following issues have been fixed in firmware

version 16.35.4030:

- VF FLR would get stuck when its PF triggered the FLR as well.
- Unexpected source UDP port appeared in RoCE packets when the firmware ignored a non-PF driver configuration for RoCE source UDP port control (as set in SET\_HCA\_CAP.sw\_r\_roce\_src\_udp\_port).

### **Enhancements**

Firmware for the following devices has been updated to 14.32.1900:

- 817749-B21 ( Ethernet 25Gb 2-port 640FLR-SFP28 Adapter)
- 817753-B21 ( Ethernet 25Gb 2-port 640SFP28 Adapter) Firmware for the following device has been updated to 16.35.4030:

### **Security Hardening Enhancements This release contains important reliability improvements and security hardening enhancements. NVIDIA recommends upgrading your devices firmware to this release to improve the devices' firmware security and reliability.**

No new features or changes have been included in firmware version 14.32.1900. New features and changes included in firmware version 16.35.4030:

- Added support for postponing QP timeout "retry exceeded" errors for traffic directed at specific destinations. This new capability prevents broken connections for destinations in downtime because of live migration.

### **Supported Devices and Features**

Part Number	Mellanox Ethernet Only Adapters	PSID
817749-B21	Ethernet 25Gb 2port 640FLR-SFP28 Adapter	HP_2690110034
817753-B21	Ethernet 25Gb 2 port 640SFP28 Adapter	HP_2420110034

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### **Online Firmware Upgrade Utility (ESXi 8.0) Mellanox VPI (Ethernet and Infiniband mode) ConnectX4 and ConnectX5 devices on VMware ESXi 8.0**

Version: 1.0.4 (Recommended)

### **Fixes**

No new fixes have been added in version 12.28.2302. The following issues have been fixed in version 16.35.4030:

- VF FLR would get stuck when its PF triggered the FLR as well.
- Unexpected source UDP port appeared in RoCE packets when the firmware ignored a non-PF driver configuration for RoCE source UDP port control (as set in SET\_HCA\_CAP.sw\_r\_roce\_src\_udp\_port).

### **Enhancements**

Firmware for the following devices has been updated to 16.35.4030:

- 872726-B21 ( InfiniBand EDR/Ethernet 100Gb 2-port 841QSFP28 Adapter)

### **Important : Security Hardening Enhancements - This release contains important reliability improvements and security hardening enhancements. HV recommends upgrading your device firmware to this version to improve the firmware security and reliability of your device.**

No new Features and changes included in version 12.28.2302. New features and changes included in version 16.35.4030:

- Added support for postponing QP timeout "retry exceeded" errors for traffic directed at specific destinations. This new capability prevents broken connections for destinations in downtime because of live migration.

### **Supported Devices and Features**

Part Number	Device Name	PSID
872726-B21	InfiniBand EDR/Ethernet 100Gb 2-port 841QSFP28 Adapter	HPE000000009

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## Online Firmware Upgrade Utility (ESXi 8.0) Mellanox VPI (Ethernet and InfiniBand mode) ConnectX6 devices on VMware ESXi 8.0

Version: 1.0.6 (Recommended)

### Important Note!

ConnectX-6 VPI supports having one port as InfiniBand and the other port as Ethernet according to the following matrix of combinations.

Port #2 - InfiniBand				
Port #1 – Ethernet	HDR/HDR100	EDR	FDR	QDR
200GbE/50GbE	supported	not supported	not supported	supported
100GbE/25GbE	supported	not supported	not supported	supported
40GbE/10GbE	supported	not supported	not supported	supported
1GbE	supported	not supported	not supported	supported

Port #2 - Ethernet				
Port #1 – Ethernet	HDR/HDR100	EDR	FDR	QDR
200GbE/50GbE	supported	supported	not supported	supported
100GbE/25GbE	supported	supported	not supported	supported
40GbE/10GbE	not supported	not supported	not supported	supported
1GbE	supported	supported	not supported	supported

### Prerequisites

Use iLO5 firmware version 2.30 or higher with ConnectX6 firmware version 20.32.1010. Thermal sensor reporting on the adapter will not be functional with older versions of iLO5 firmware.

### Fixes

The following issues have been fixed in version 20.43.1014:

- Setup crash when "create\_sq" used invalid mbox.
- The firmware always returned the "next" value to be applied when querying FACTORY default NV configuration values.

### Enhancements

Firmware for the following devices has been updated to 20.43.1014:

- InfiniBand HDR100/Ethernet 100Gb 2-port QSFP56 PCIe3 x16 MCX653106AECAT Adapter - P06251-B21

### **Security Hardening Enhancements: This release contains important reliability improvements and security hardening enhancements. HV recommends upgrading your device's firmware to this release to improve the firmware security and reliability of your device.**

New features and changes included in version 20.43.1014:

- Added the option to indicate an error CQE event on every selected function per eSwitch manager. This indication is defined as a new WQE including the relevant information about the error (such as: syndrome, function\_id, timestamp, QPs num etc.).
- Extended kernel lockdown permission set. The following sub-operations can now be called by tools (permission TOOLS\_RESOURCES) using new HCA capability bitmask field: tool\_partial\_cap.

The 5 sub-operations are:

- QUERY\_HCA\_CAP with other function
- QUERY\_VUID with direct data

- QUERY\_ROCE\_ADDRESS with other vport
- SET\_HCA\_CAP with other function
- POSTPONE\_CONNECTED\_QP\_TIMEOUT with other vport The new added caps are:
- tool\_partial\_cap.postpone\_conn\_qp\_timeout\_other\_vport,
- tool\_partial\_cap.set\_hca\_cap\_other\_func
- tool\_partial\_cap.query\_roce\_addr\_other\_vport
- tool\_partial\_cap.query\_vuid\_direct\_data
- tool\_partial\_cap.query\_hca\_cap\_other\_func

### **Supported Devices and Features**

Part Number	Device Name	PSID
P06251-B21	InfiniBand HDR100/Ethernet 100Gb 2-port QSFP56 PCIe3 x16 MCX653106A-ECAT Adapter	HPE0000000036

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### **Online Firmware Upgrade Utility (ESXi 9.0) Mellanox Ethernet only adapters**

Version: 1.0.0 (Recommended)

#### **Important Note!**

The Firmware Upgrade Utility has been split into 2 packages for Mellanox Ethernet Only NIC adapters. This package supports Mellanox Ethernet Only NIC adapters on HA800 and Apollo servers.

#### **Prerequisites**

Use iLO5 firmware version 2.30 or higher with ConnectX4-Lx/ConnectX5 firmware version 14.32.1010/16.32.1010 (or later) respectively. Thermal sensor reporting on the adapter will not be functional with older versions of iLO5 firmware.

#### **Fixes**

No fixes have been included in firmware version 14.32.1900. The following issues have been fixed in firmware version 16.35.4030:

- VF FLR would get stuck when its PF triggered the FLR as well.
- Unexpected source UDP port appeared in RoCE packets when the firmware ignored a non-PF driver configuration for RoCE source UDP port control (as set in SET\_HCA\_CAP.sw\_r\_roce\_src\_udp\_port).

#### **Enhancements**

Firmware for the following devices has been updated to 14.32.1900:

- 817749-B21 ( Ethernet 25Gb 2-port 640FLR-SFP28 Adapter)
- 817753-B21 ( Ethernet 25Gb 2-port 640SFP28 Adapter) Firmware for the following device has been updated to 16.35.4030:

### **Security Hardening Enhancements This release contains important reliability improvements and security hardening enhancements. NVIDIA recommends upgrading your devices firmware to this release to improve the devices' firmware security and reliability.**

No new features or changes have been included in firmware version 14.32.1900. New features and changes included in firmware version 16.35.4030:

- Added support for postponing QP timeout "retry exceeded" errors for traffic directed at specific destinations. This new capability prevents broken connections for destinations in downtime because of live migration.

### **Supported Devices and Features**

Part Number	Mellanox Ethernet Only Adapters	PSID
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817749-B21	Ethernet 25Gb 2port 640FLR-SFP28 Adapter	HP_2690110034
817753-B21	Ethernet 25Gb 2 port 640SFP28 Adapter	HP_2420110034

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## Online Firmware Upgrade Utility (ESXi 9.0) Mellanox VPI (Ethernet and Infiniband mode) ConnectX4 and ConnectX5 devices on VMware ESXi 9.0

Version: 1.0.0 (Recommended)

### Fixes

No new fixes have been added in version 12.28.2302. The following issues have been fixed in version 16.35.4030:

- VF FLR would get stuck when its PF triggered the FLR as well.
- Unexpected source UDP port appeared in RoCE packets when the firmware ignored a non-PF driver configuration for RoCE source UDP port control (as set in SET\_HCA\_CAP.sw\_r\_roce\_src\_udp\_port).

### Enhancements

Firmware for the following devices has been updated to 20.43.1014:

- InfiniBand HDR100/Ethernet 100Gb 2-port QSFP56 PCIe3 x16 MCX653106AECAT Adapter - P06251-B21

### **Security Hardening Enhancements: This release contains important reliability improvements and security hardening enhancements. HV recommends upgrading your device's firmware to this release to improve the firmware security and reliability of your device.**

No new Features and changes included in version 12.28.2302. New features and changes included in version 16.35.4030:

- Added support for postponing QP timeout "retry exceeded" errors for traffic directed at specific destinations. This new capability prevents broken connections for destinations in downtime because of live migration.

### Supported Devices and Features

Part Number	Device Name	PSID
872726-B21	InfiniBand EDR/Ethernet 100Gb 2-port 841QSFP28 Adapter	HPE0000000009

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## Online Firmware Upgrade Utility (ESXi 9.0) Mellanox VPI (Ethernet and Infiniband mode) ConnectX6 devices on VMware ESXi 9.0

Version: 1.0.0 (Recommended)

### Important Note!

ConnectX-6 VPI supports having one port as InfiniBand and the other port as Ethernet according to the following matrix of combinations.

Port #2 - InfiniBand				
Port #1 – Ethernet	HDR/HDR100	EDR	FDR	QDR
200GbE/50GbE	supported	not supported	not supported	supported
100GbE/25GbE	supported	not supported	not supported	supported
40GbE/10GbE	supported	not supported	not supported	supported
1GbE	supported	not supported	not supported	supported

Port #2 - Ethernet				
Port #1 – Ethernet	HDR/HDR100	EDR	FDR	QDR
200GbE/50GbE	supported	supported	not supported	supported
100GbE/25GbE	supported	supported	not supported	supported
40GbE/10GbE	not supported	not supported	not supported	supported
1GbE	supported	supported	not supported	supported

### **Prerequisites**

Use iLO5 firmware version 2.30 or higher with ConnectX6 firmware version 20.32.1010. Thermal sensor reporting on the adapter will not be functional with older versions of iLO5 firmware.

### **Fixes**

The following issues have been fixed in version 20.43.1014:

- Setup crash when "create\_sq" used invalid mbox.
- The firmware always returned the "next" value to be applied when querying FACTORY default NV configuration values.

### **Enhancements**

Firmware for the following devices has been updated to 20.43.1014:

**InfiniBand HDR100/Ethernet 100Gb 2-port QSFP56 PCIe3 x16 MCX653106AECAT Adapter - P06251-B21 Security Hardening Enhancements: This release contains important reliability improvements and security hardening enhancements. HV recommends upgrading your device's firmware to this release to improve the firmware security and reliability of your device.**

New features and changes included in version 20.43.1014:

- Added the option to indicate an error CQE event on every selected function per eSwitch manager. This indication is defined as a new WQE including the relevant information about the error (such as: syndrome, function\_id, timestamp, QPs num etc.).
- Extended kernel lockdown permission set. The following sub-operations can now be called by tools (permission TOOLS\_RESOURCES) using new HCA capability bitmask field: tool\_partial\_cap.

The 5 sub-operations are:

- QUERY\_HCA\_CAP with other function
  - QUERY\_VUID with direct data
  - QUERY\_ROCE\_ADDRESS with other vport
  - SET\_HCA\_CAP with other function
  - POSTPONE\_CONNECTED\_QP\_TIMEOUT with other vport
- The new added caps are:
- tool\_partial\_cap.postpone\_conn\_qp\_timeout\_other\_vport,
  - tool\_partial\_cap.set\_hca\_cap\_other\_func
  - tool\_partial\_cap.query\_roce\_addr\_other\_vport
  - tool\_partial\_cap.query\_vuid\_direct\_data
  - tool\_partial\_cap.query\_hca\_cap\_other\_func

### **Supported Devices and Features**

Part Number	Device Name	PSID
P06251-B21	InfiniBand HDR100/Ethernet 100Gb 2-port QSFP56 PCIe3 x16 MCX653106A-ECAT Adapter	HPE0000000036

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## Online Firmware Upgrade Utility (Linux x86\_64) Mellanox Ethernet only adapters

Version: 1.0.22 (Recommended)

### Important Note!

The Firmware Upgrade Utility has been split into 2 packages for Mellanox Ethernet Only NIC adapters. This package supports Mellanox Ethernet Only NIC adapters on HA800 and Apollo servers.

### Prerequisites

Use iLO5 firmware version 2.30 or higher with ConnectX4-Lx/ConnectX5 firmware version 14.32.1010/16.32.1010 (or later) respectively. Thermal sensor reporting on the adapter will not be functional with older versions of iLO5 firmware.

### Fixes

No fixes have been included in firmware version 14.32.1900. The following issues have been fixed in firmware version 16.35.4030:

- VF FLR would get stuck when its PF triggered the FLR as well.
- Unexpected source UDP port appeared in RoCE packets when the firmware ignored a non-PF driver configuration for RoCE source UDP port control (as set in SET\_HCA\_CAP.sw\_r\_roce\_src\_udp\_port).

### Enhancements

Firmware for the following devices has been updated to 14.32.1900:

- 817749-B21 ( Ethernet 25Gb 2-port 640FLR-SFP28 Adapter)
- 817753-B21 ( Ethernet 25Gb 2-port 640SFP28 Adapter) Firmware for the following device has been updated to 16.35.4030:

### **874253-B21 ( Ethernet 100Gb 1-port 842QSFP28 Adapter) Security Hardening Enhancements This release contains important reliability improvements and security hardening enhancements. NVIDIA recommends upgrading your devices firmware to this release to improve the devices' firmware security and reliability.**

No new features or changes have been included in firmware version 14.32.1900. New features and changes included in firmware version 16.35.4030:

- Added support for postponing QP timeout "retry exceeded" errors for traffic directed at specific destinations. This new capability prevents broken connections for destinations in downtime because of live migration.

### Supported Devices and Features

Part Number	Mellanox Ethernet Only Adapters	PSID
817749-B21	Ethernet 25Gb 2port 640FLR-SFP28 Adapter	HP_2690110034
817753-B21	Ethernet 25Gb 2 port 640SFP28 Adapter	HP_2420110034

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## Online Firmware Upgrade Utility (Linux x86\_64) Mellanox VPI (Ethernet and Infiniband mode) ConnectX4 and ConnectX5 devices on Linux x86\_64 platform

Version: 1.0.17 (Recommended)

### Fixes

No new fixes have been added in version 12.28.2302. The following issues have been fixed in version 16.35.4030:

- VF FLR would get stuck when its PF triggered the FLR as well.
- Unexpected source UDP port appeared in RoCE packets when the firmware ignored a non-PF driver configuration for RoCE source UDP port control (as set in SET\_HCA\_CAP.sw\_r\_roce\_src\_udp\_port).

### Enhancements

Firmware for the following devices has been updated to 16.35.4030:

- 872726-B21 ( InfiniBand EDR/Ethernet 100Gb 2-port 841QSFP28 Adapter)

**872726-B21 ( InfiniBand EDR/Ethernet 100Gb 2-port 841QSFP28 Adapter) Important : Security Hardening Enhancements - This release contains important reliability improvements and security hardening enhancements. HV recommends upgrading your device firmware to this version to improve the firmware security and reliability of your device.**

No new Features and changes included in version 12.28.2302. New features and changes included in version 16.35.4030:

- Added support for postponing QP timeout "retry exceeded" errors for traffic directed at specific destinations. This new capability prevents broken connections for destinations in downtime because of live migration.

**Supported Devices and Features**

Part Number	Device Name	PSID
872726-B21	InfiniBand EDR/Ethernet 100Gb 2-port 841QSFP28 Adapter	HPE0000000009

**Online Firmware Upgrade Utility (Linux x86\_64) Mellanox VPI (Ethernet and Infiniband mode) ConnectX6 devices on Linux x86\_64 platform**

Version: 1.0.16 (Recommended)

**Important Note!**

ConnectX-6 VPI supports having one port as InfiniBand and the other port as Ethernet according to the following matrix of combinations.

Port #2 - InfiniBand				
Port #1 – Ethernet	HDR/HDR100	EDR	FDR	QDR
200GbE/50GbE	supported	not supported	not supported	supported
100GbE/25GbE	supported	not supported	not supported	supported
40GbE/10GbE	supported	not supported	not supported	supported
1GbE	supported	not supported	not supported	supported

Port #2 - Ethernet				
Port #1 – Ethernet	HDR/HDR100	EDR	FDR	QDR
200GbE/50GbE	supported	supported	not supported	supported
100GbE/25GbE	supported	supported	not supported	supported
40GbE/10GbE	not supported	not supported	not supported	supported
1GbE	supported	supported	not supported	supported

**Prerequisites**

Use iLO5 firmware version 2.30 or higher with ConnectX6 firmware version 20.32.1010. Thermal sensor reporting on the adapter will not be functional with older versions of iLO5 firmware.

**Fixes**

The following issues have been fixed in version 20.43.1014:

- Setup crash when "create\_sq" used invalid mbox.
- The firmware always returned the "next" value to be applied when querying FACTORY default NV configuration values.

**Enhancements**

Firmware for the following devices has been updated to 20.43.1014:

**InfiniBand HDR100/Ethernet 100Gb 2-port QSFP56 PCIe3 x16 MCX653106AECAT Adapter - P06251-B21 Security Hardening Enhancements: This release contains important reliability improvements and security hardening**

**enhancements. HV recommends upgrading your device's firmware to this release to improve the firmware security and reliability of your device.**

New features and changes included in version 20.43.1014:

- Added the option to indicate an error CQE event on every selected function per eSwitch manager. This indication is defined as a new WQE including the relevant information about the error (such as: syndrome, function\_id, timestamp, QPs num etc.).
- Extended kernel lockdown permission set. The following sub-operations can now be called by tools (permission TOOLS\_RESOURCES) using new HCA capability bitmask field: tool\_partial\_cap.

The 5 sub-operations are:

- QUERY\_HCA\_CAP with other function
  - QUERY\_VUID with direct data
  - QUERY\_ROCE\_ADDRESS with other vport
  - SET\_HCA\_CAP with other function
  - POSTPONE\_CONNECTED\_QP\_TIMEOUT with other vport
- The new added caps are:
- tool\_partial\_cap.postpone\_conn\_qp\_timeout\_other\_vport,
  - tool\_partial\_cap.set\_hca\_cap\_other\_func
  - tool\_partial\_cap.query\_roce\_addr\_other\_vport
  - tool\_partial\_cap.query\_vuid\_direct\_data
  - tool\_partial\_cap.query\_hca\_cap\_other\_func

**Supported Devices and Features**

Part Number	Device Name	PSID
P06251-B21	InfiniBand HDR100/Ethernet 100Gb 2-port QSFP56 PCIe3 x16 MCX653106A-ECAT Adapter	HPE0000000036

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**Online Firmware Upgrade Utility (Windows x64) Mellanox Ethernet only adapters**

Version: 1.0.0.22 (A) (Recommended)

**Important Note!**

The Firmware Upgrade Utility has been split into 2 packages for Mellanox Ethernet Only NIC adapters. This package supports Mellanox Ethernet Only NIC adapters on HA800 and Apollo servers.

**Prerequisites**

Use iLO5 firmware version 2.30 or higher with ConnectX4-Lx/ConnectX5 firmware version 14.32.1010/16.32.1010 (or later) respectively. Thermal sensor reporting on the adapter will not be functional with older versions of iLO5 firmware.

**Fixes**

No fixes have been included in firmware version 14.32.1900. The following issues have been fixed in firmware version 16.35.4030:

- VF FLR would get stuck when its PF triggered the FLR as well.
- Unexpected source UDP port appeared in RoCE packets when the firmware ignored a non-PF driver configuration for RoCE source UDP port control (as set in SET\_HCA\_CAP.sw\_r\_roce\_src\_udp\_port).

**Enhancements**

Firmware for the following devices has been updated to 14.32.1900:

- 817749-B21 ( Ethernet 25Gb 2-port 640FLR-SFP28 Adapter)
  - 817753-B21 ( Ethernet 25Gb 2-port 640SFP28 Adapter)
- Firmware for the following device has been updated

to 16.35.4030:

**874253-B21 ( Ethernet 100Gb 1-port 842QSFP28 Adapter) Security Hardening Enhancements This release contains important reliability improvements and security hardening enhancements. NVIDIA recommends upgrading your devices firmware to this release to improve the devices' firmware security and reliability.**

New changes included in component version 1.0.0.22(A):

- Added support for Azure Stack HCI 23H2 in the component metadata.

No new features or changes have been included in firmware version 14.32.1900. New features and changes included in firmware version 16.35.4030:

- Added support for postponing QP timeout "retry exceeded" errors for traffic directed at specific destinations. This new capability prevents broken connections for destinations in downtime because of live migration.

**Supported Devices and Features**

Part Number	Mellanox Ethernet Only Adapters	PSID
817749-B21	Ethernet 25Gb 2port 640FLR-SFP28 Adapter	HP_2690110034
817753-B21	Ethernet 25Gb 2 port 640SFP28 Adapter	HP_2420110034

---

**Online Firmware Upgrade Utility (Windows x64) Mellanox VPI (Ethernet and Infiniband mode) ConnectX4 and ConnectX5 devices on Windows x86\_64 platform**

Version: 1.0.0.16 (A) (Recommended)

**Fixes**

No new fixes have been added in version 12.28.2302. The following issues have been fixed in version 16.35.4030:

- VF FLR would get stuck when its PF triggered the FLR as well.
- Unexpected source UDP port appeared in RoCE packets when the firmware ignored a non-PF driver configuration for RoCE source UDP port control (as set in SET\_HCA\_CAP.sw\_r\_roce\_src\_udp\_port).

**Enhancements**

Firmware for the following devices has been updated to 16.35.4030:

- 872726-B21 ( InfiniBand EDR/Ethernet 100Gb 2-port 841QSFP28 Adapter)

**872726-B21 ( InfiniBand EDR/Ethernet 100Gb 2-port 841QSFP28 Adapter) Important : Security Hardening Enhancements - This release contains important reliability improvements and security hardening enhancements. HV recommends upgrading your device firmware to this version to improve the firmware security and reliability of your device.**

Changes included in component version 1.0.0.16(A):

- Added support for Azure Stack HCI 23H2 in the component metadata.

No new Features and changes included in version 12.28.2302. New features and changes included in version 16.35.4030:

- Added support for postponing QP timeout "retry exceeded" errors for traffic directed at specific destinations. This new capability prevents broken connections for destinations in downtime because of live migration.

**Supported Devices and Features**

Part Number	Device Name	PSID
872726-B21	InfiniBand EDR/Ethernet 100Gb 2-port 841QSFP28 Adapter	HPE0000000009

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**Online Firmware Upgrade Utility (Windows x64) Mellanox VPI (Ethernet and Infiniband mode) ConnectX6 devices on Windows x86\_64 platform**

Version: 1.0.0.12 (Recommended)

## **Important Note!**

ConnectX-6 VPI supports having one port as InfiniBand and the other port as Ethernet according to the following matrix of combinations.

Port #2 - InfiniBand				
Port #1 – Ethernet	HDR/HDR100	EDR	FDR	QDR
200GbE/50GbE	supported	not supported	not supported	supported
100GbE/25GbE	supported	not supported	not supported	supported
40GbE/10GbE	supported	not supported	not supported	supported
1GbE	supported	not supported	not supported	supported

Port #2 - Ethernet				
Port #1 – Ethernet	HDR/HDR100	EDR	FDR	QDR
200GbE/50GbE	supported	supported	not supported	supported
100GbE/25GbE	supported	supported	not supported	supported
40GbE/10GbE	not supported	not supported	not supported	supported
1GbE	supported	supported	not supported	supported

## **Prerequisites**

Use iLO5 firmware version 2.30 or higher with ConnectX6 firmware version 20.32.1010. Thermal sensor reporting on the adapter will not be functional with older versions of iLO5 firmware.

## **Fixes**

The following issues have been fixed in version 20.43.1014:

- Setup crash when "create\_sq" used invalid mbox.
- The firmware always returned the "next" value to be applied when querying FACTORY default NV configuration values.

## **Enhancements**

Firmware for the following devices has been updated to 20.43.1014:

- InfiniBand HDR100/Ethernet 100Gb 2-port QSFP56 PCIe3 x16 MCX653106AECAT Adapter - P06251-B21

## **Security Hardening Enhancements: This release contains important reliability improvements and security hardening enhancements. HV recommends upgrading your device's firmware to this release to improve the firmware security and reliability of your device.**

New features and changes included in version 20.43.1014:

- Added the option to indicate an error CQE event on every selected function per eSwitch manager. This indication is defined as a new WQE including the relevant information about the error (such as: syndrome, function\_id, timestamp, QPs num etc.).
- Extended kernel lockdown permission set. The following sub-operations can now be called by tools (permission TOOLS\_RESOURCES) using new HCA capability bitmask field: tool\_partial\_cap.

The 5 sub-operations are:

- QUERY\_HCA\_CAP with other function
  - QUERY\_VUID with direct data
  - QUERY\_ROCE\_ADDRESS with other vport
  - SET\_HCA\_CAP with other function
  - POSTPONE\_CONNECTED\_QP\_TIMEOUT with other vport
- The new added caps are:
- tool\_partial\_cap.postpone\_conn\_qp\_timeout\_other\_vport,
  - tool\_partial\_cap.set\_hca\_cap\_other\_func

- tool\_partial\_cap.query\_roce\_addr\_other\_vport
- tool\_partial\_cap.query\_vuid\_direct\_data
- tool\_partial\_cap.query\_hca\_cap\_other\_func

### Supported Devices and Features

Part Number	Device Name	PSID
P06251-B21	InfiniBand HDR100/Ethernet 100Gb 2-port QSFP56 PCIe3 x16 MCX653106A-ECAT Adapter	HPE0000000036

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**Online NVMe SSD Flash Component for Linux (x64) - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives**

Version: GPK7 (G) (Recommended)

#### Fixes

**Fixes the displayed message of direct attached NVMe firmware flashing to align FW activation result by OS.**

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**Online NVMe SSD Flash Component for Linux (x64) - KCM6FRUL1T92, KCM6FRUL3T84, KCM6FVUL1T60 and KCM6FVUL3T20 Drives**

Version: GPK5 (G) (Recommended)

#### Fixes

**Fixes the displayed message of direct attached NVMe firmware flashing to align FW activation result by OS.**

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**Online NVMe SSD Flash Component for Linux (x64) - KCM6XVUL800G, KCM6XVUL1T60, KCM6XVUL3T20, KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92, KCM6XRUL3T84 and KCM6XRUL7T68 Drives**

Version: GPK7 (G) (Recommended)

#### Fixes

**Fixes the displayed message of direct attached NVMe firmware flashing to align FW activation result by OS.**

---

**Online NVMe SSD Flash Component for Linux (x64) - MK000800KWWFE, MK001600KWWFF, MK003200KWWFH, MK006400KWWFK, VK000960KWWFL, VK001920KWWFN, VK003840KWWFP and VK007680KWWFQ Drives**

Version: HPK3 (O) (Recommended)

#### Fixes

**Fixes the displayed message of direct attached NVMe firmware flashing to align FW activation result by OS.**

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**Online NVMe SSD Flash Component for Linux (x64) - VO000960KWUEA, VO001920KWUEB, VO003840KWUEC, VO007680KWUED, VO015360KWUEE, MO000800KWUDR, MO001600KWUDT, MO003200KWUDU and MO006400KWUDV Drives**

Version: HPK3 (D) (Recommended)

## Fixes

**Fixes the displayed message of direct attached NVMe firmware flashing to align FW activation result by OS.**

---

**Online NVMe SSD Flash Component for Linux (x64) - VO000960KWVBR, VO001920KWVBT and VO003840KWVBU Drives**

Version: HPK3 (D) (Recommended)

## Fixes

**Fixes the displayed message of direct attached NVMe firmware flashing to align FW activation result by OS.**

---

**Online NVMe SSD Flash Component for Linux (x64) - VO000960KXAVL, VO001920KXAVP, VO003840KXAVQ, VO007680KXAVR, MO000800KXAVN, MO001600KXAVT, MO003200KXAVU and MO006400KXAVV Drives**

Version: HPK5 (I) (Recommended)

## Fixes

**Fixes the displayed message of direct attached NVMe firmware flashing to align FW activation result by OS.**

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**Online NVMe SSD Flash Component for Linux (x64) - VO001920KYDMT, VO003840KYDMV, MO001600KYDMU, MO003200KYDNC, MO006400KYDND, VO007680KYDNA and VO015360KYDNB Drives**

Version: HPK6 (B) (Recommended)

## Fixes

**Fixes the displayed message of direct attached NVMe firmware flashing to align FW activation result by OS.**

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**Online NVMe SSD Flash Component for Linux (x64) - VO002000KWVVC, VO004000KWVUR, MO001600KWVUU, MO003200KWVUV and MO006400KWVVA Drives**

Version: 4ICRHPK3 (M) (Recommended)

## Fixes

**Fixes the displayed message of direct attached NVMe firmware flashing to align FW activation result by OS.**

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**Online NVMe SSD Flash Component for Linux (x64) - VS000480KXALB, VS003840KWXFQ, VS001920KWXFP and VS000960KWXFN Drives**

Version: 85032G00 (J) (Recommended)

## Fixes

**Fixes the displayed message of direct attached NVMe firmware flashing to align FW activation result by OS.**

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**Online NVMe SSD Flash Component for VMware ESXi - VO001920KYDMT, VO003840KYDMV, MO001600KYDMU, MO003200KYDNC, MO006400KYDND, VO007680KYDNA and VO015360KYDNB Drives**

Version: HPK6 (B) (Recommended)

## Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

## Fixes

**Fixes the displayed message of direct attached NVMe firmware flashing to align FW activation result by OS.**

## Enhancements

- Added support for ESXi 9.0.
- 

**Online NVMe SSD Flash Component for VMware ESXi - VO000960KWUEA, VO001920KWUEB, VO003840KWUEC, VO007680KWUED, VO015360KWUEE, MO000800KWUDR, MO001600KWUDT, MO003200KWUDU and MO006400KWUDV Drives**

Version: HPK3 (B) (Recommended)

## Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

## Fixes

**Fixes the displayed message of direct attached NVMe firmware flashing to align FW activation result by OS.**

## Enhancements

- Added support for ESXi 9.0.
- 

**Online NVMe SSD Flash Component for VMware ESXi - VO000960KWVBR, VO001920KWVBT and VO003840KWVBU Drives**

Version: HPK3 (B) (Recommended)

## Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

## Fixes

**Fixes the displayed message of direct attached NVMe firmware flashing to align FW activation result by OS.**

## Enhancements

- Added support for ESXi 9.0.
- 

**Online NVMe SSD Flash Component for VMware ESXi - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives**

Version: GPK7 (C) (Recommended)

## Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

## Fixes

**Fixes the displayed message of direct attached NVMe firmware flashing to align FW activation result by OS.**

## Enhancements

- Added support for ESXi 9.0.

---

**Online NVMe SSD Flash Component for VMware ESXi - KCM6FRUL1T92, KCM6FRUL3T84, KCM6FVUL1T60 and KCM6FVUL3T20 Drives**

Version: GPK5 (C) (Recommended)

**Important Note!**

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

**Fixes**

**Fixes the displayed message of direct attached NVMe firmware flashing to align FW activation result by OS.**

**Enhancements**

- Added support for ESXi 9.0.

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**Online NVMe SSD Flash Component for VMware ESXi - KCM6XVUL800G, KCM6XVUL1T60, KCM6XVUL3T20, KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92, KCM6XRUL3T84 and KCM6XRUL7T68 Drives**

Version: GPK7 (C) (Recommended)

**Important Note!**

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

**Fixes**

**Fixes the displayed message of direct attached NVMe firmware flashing to align FW activation result by OS.**

**Enhancements**

- Added support for ESXi 9.0.

---

**Online NVMe SSD Flash Component for VMware ESXi - MK000800KWWFE, MK001600KWWFF, MK003200KWWFH, MK006400KWWFK, VK000960KWWFL, VK001920KWWFN, VK003840KWWFP and VK007680KWWFQ Drives**

Version: HPK3 (H) (Recommended)

**Important Note!**

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

**Fixes**

**Fixes the displayed message of direct attached NVMe firmware flashing to align FW activation result by OS.**

**Enhancements**

- Added support for ESXi 9.0.

---

**Online NVMe SSD Flash Component for VMware ESXi - VO000960KXAVL, VO001920KXAVP, VO003840KXAVQ, VO007680KXAVR, MO000800KXAVN, MO001600KXAVT, MO003200KXAVU and MO006400KXAVV Drives**

Version: HPK5 (E) (Recommended)

**Important Note!**

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

## Fixes

**Fixes the displayed message of direct attached NVMe firmware flashing to align FW activation result by OS.**

## Enhancements

- Added support for ESXi 9.0.
- 

**Online NVMe SSD Flash Component for VMware ESXi - VO002000KWVVC, VO004000KWVUR, MO001600KVVUU, MO003200KVVUV and MO006400KVVVA Drives**

Version: 4ICRHPK3 (H) (Recommended)

## Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

## Fixes

**Fixes the displayed message of direct attached NVMe firmware flashing to align FW activation result by OS.**

## Enhancements

- Added support for ESXi 9.0.
- 

**Online NVMe SSD Flash Component for VMware ESXi - VS000480KXALB, VS000960KWXFN, VS001920KWXFP and VS003840KWXFQ Drives**

Version: 85032G00 (E) (Recommended)

## Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

## Fixes

**Fixes the displayed message of direct attached NVMe firmware flashing to align FW activation result by OS.**

## Enhancements

- Added support for ESXi 9.0.
- 

**Online NVMe SSD Flash Component for Windows (x64) - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives**

Version: GPK7 (C) (Recommended)

## Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

## Fixes

**Fixes the displayed message of direct attached NVMe firmware flashing to align FW activation result by OS.**

## Enhancements

- Added support for Azure Stack HCI 23H2

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**Online NVMe SSD Flash Component for Windows (x64) - KCM6FRUL1T92, KCM6FRUL3T84, KCM6FVUL1T60 and KCM6FVUL3T20 Drives**

Version: GPK5 (C) (Recommended)

**Important Note!**

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

**Fixes**

**Fixes the displayed message of direct attached NVMe firmware flashing to align FW activation result by OS.**

**Enhancements**

- Added support for Azure Stack HCI 23H2

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**Online NVMe SSD Flash Component for Windows (x64) - KCM6XVUL800G, KCM6XVUL1T60, KCM6XVUL3T20, KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92, KCM6XRUL3T84 and KCM6XRUL7T68 Drives**

Version: GPK7 (C) (Recommended)

**Important Note!**

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

**Fixes**

**Fixes the displayed message of direct attached NVMe firmware flashing to align FW activation result by OS.**

**Enhancements**

- Added support for Azure Stack HCI 23H2

---

**Online NVMe SSD Flash Component for Windows (x64) - MK000800KWWFE, MK001600KWWFF, MK003200KWWFH, MK006400KWWFK, VK000960KWWFL, VK001920KWWFN, VK003840KWWFP and VK007680KWWFQ Drives**

Version: HPK3 (H) (Recommended)

**Important Note!**

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

**Fixes**

**Fixes the displayed message of direct attached NVMe firmware flashing to align FW activation result by OS.**

**Enhancements**

- Added support for Azure Stack HCI 23H2

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**Online NVMe SSD Flash Component for Windows (x64) - VO000960KWUEA, VO001920KWUEB, VO003840KWUEC, VO007680KWUED, VO015360KWUEE, MO000800KWUDR, MO001600KWUDT,**

MO003200KWUDU and MO006400KWUDV Drives

Version: HPK3 (B) (Recommended)

**Important Note!**

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

## Fixes

**Fixes the displayed message of direct attached NVMe firmware flashing to align FW activation result by OS.**

## Enhancements

- Added support for Azure Stack HCI 23H2
- 

**Online NVMe SSD Flash Component for Windows (x64) - VO000960KWVBR, VO001920KWVBT and VO003840KWVBU Drives**

Version: HPK3 (B) (Recommended)

## Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

## Fixes

**Fixes the displayed message of direct attached NVMe firmware flashing to align FW activation result by OS.**

## Enhancements

- Added support for Azure Stack HCI 23H2
- 

**Online NVMe SSD Flash Component for Windows (x64) - VO000960KXAVL, VO001920KXAVP, VO003840KXAVQ, VO007680KXAVR, MO000800KXAVN, MO001600KXAVT, MO003200KXAVU and MO006400KXAVV Drives**

Version: HPK5 (F) (Recommended)

## Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

## Fixes

**Fixes the displayed message of direct attached NVMe firmware flashing to align FW activation result by OS.**

## Enhancements

- Added support for Azure Stack HCI 23H2
- 

**Online NVMe SSD Flash Component for Windows (x64) - VO001920KYDMT, VO003840KYDMV, MO001600KYDMU, MO003200KYDNC, MO006400KYDND, VO007680KYDNA and VO015360KYDNB Drives**

Version: HPK6 (B) (Recommended)

## Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

## Fixes

**Fixes the displayed message of direct attached NVMe firmware flashing to align FW activation result by OS.**

## Enhancements

- Added support for Azure Stack HCI 23H2

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**Online NVMe SSD Flash Component for Windows (x64) - VO002000KWVVC, VO004000KWVUR, MO001600KWVUU, MO003200KWVUV and MO006400KWVVA Drives**

Version: 4ICRHPK3 (H) (Recommended)

**Important Note!**

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

**Fixes**

**Fixes the displayed message of direct attached NVMe firmware flashing to align FW activation result by OS.**

**Enhancements**

- Added support for Azure Stack HCI 23H2

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**Online NVMe SSD Flash Component for Windows (x64) - VS000480KXALB, VS003840KWXFQ, VS001920KWXFP and VS000960KWXFN drives**

Version: 85032G00 (F) (Recommended)

**Important Note!**

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

**Fixes**

**Fixes the displayed message of direct attached NVMe firmware flashing to align FW activation result by OS.**

**Enhancements**

- Added support for Azure Stack HCI 23H2

---

**Universal Firmware Package for Drives - MO000800KYDZK, MO001600KYDZR, MO003200KYDZT, MO006400KYDZU, VO000960KYDZH, VO001920KYDZL, VO003840KYDZN, VO001536KYDZQ and VO007680KYDZP**

Version: HPK1 (Recommended)

**Fixes**

- Changes and improvements made in HPK1 are to enhance receiver signals by changing the drive's internal PHY register values on x2 direct attached system.

---

**Universal Firmware Package for Drives - MO001600KZYWU, MO003200KZYXB, MO006400KZYXC, VO001920KZYWT, VO003840KZYWV and VO007680KZYXA**

Version: HPK5 (Recommended)

**Fixes**

- This firmware provides bug fixes for the P5620/P5520.

---

**Universal Firmware Package for Drives - VK000960KYDPT, VK001920KYDPU, VK003840KYDPV and VK007680KYDQA**

Version: HPK4 (Recommended)

**Important Note!**

If drive FW needs to downgrade from HPK4 to HPK3, a reset/POR is required.

**Fixes**

- Firmware maintenance release on HPK4.

- Please note this version of FW has applied UUID change from little endian to big endian per Datacenter NVMe SSD Spec. System application should be updated accordingly per this UUID change.
- If drive FW needs to downgrade from HPK4 to HPK3, a reset/POR is required.

---

**Universal Firmware Package for Drives - VR000480KXLXF**

Version: HPK3 (Recommended)

**Fixes**

Firmware maintenance release of HPK3

- Please note this version of FW has applied UUID change from little endian to big endian per Datacenter NVMe SSD Spec. System application should be updated accordingly per this UUID change.
- If drive FW needs to downgrade from HPK3 to HPK2, a reset/POR is required.
- SSID will change from a801 to 03b5 after FW update to HPK3.

---

**Universal Firmware Package for Drives - MO000800KXPRV, MO001600KXPTR, MO003200KXPTT, MO006400KXPTU, VO000960KXPRU, VO001920KXPTN, VO003840KXPTP and VO007680KXPTQ**

Version: HPK2 (Recommended)

**Fixes**

- This is a maintenance release that contains code improvements for CAP.TO and LED behavior.

---

**Universal Firmware Package for Drives - MO000800KXUJT, MO001600KXUJU, MO003200KXUJV, MO006400KXUKA, VO000960KXUJN, VO001920KXUJP, VO003840KXUJQ, VO007680KXUJR and VO015360KYGZQ**

Version: HPK2 (Recommended)

**Important Note!**

HPK2 FW adding 15.36T model number and not allowing user to flash back (flash downgrade) to prevent the issue on 15.36T drive.

**Fixes**

- This version of FW now supports the 15.36TB model and FW fixes of drive timeout/ failures.

---

**Universal Firmware Package for Drives - MO001600KXVYH, MO003200KXVZD, MO006400KXVZE, VO001920KXVYF, VO003840KXVZA, VO007680KXVZB and VO015360KXVZC**

Version: HPK3 (Recommended)

**Fixes**

- Fix for PCIe link length drop in AMD x2 system configuration
- Fix for drive detection after hot re-insert on Windows
- Fix for other regular FW patch release

---

**Universal Firmware Package for Drives - MO001600YXUJB, MO003200YXUJC, MO006400YXUJD, VO001920YXUHU, VO003840YXUHV and VO007680YXUJA**

Version: HPK3 (Recommended)

**Fixes**

- Fix for PCIe link length drop in AMD x2 system configuration
- Fix for drive detection after hot re-insert on Windows
- Fix for other regular FW patch release

---

**Universal Firmware Package for Drives - VO00960KXNXD, VO01920KXNZQ, VO03840KXNZR, VO07680KXNZT, MO000800KXNXH, MO001600KXNZV, MO003200KXPAA and MO006400KXPAB**

Version: HPS3 (Recommended)

**Fixes**

- Improvements to our out-of-band message handling to ensure robust device management capabilities
- Changes to improve our PCIe link compatibility as well as device reliability
- This firmware update is recommended as it improves our system interoperability and prevents specific scenarios that could cause the drive to become unresponsive.

---

**Universal Firmware Package for Drives - VR000480KXNXE,VR000960KXNZU and VS001920KXNXF**

Version: HPK4 (Recommended)

**Fixes**

Changes and improvements that have been made in the firmware HPK4 which disable MCTP over PCIe VDM over the previous firmware.

---

**Online Flash for Windows x64 - Innovation Engine Firmware for servers using Intel Xeon Scalable 3100/3200/4100/4200/5100/5200/6100/6200/8100/8200 series Processors**

Version: 0.2.3.0 (C) (Recommended)

**Prerequisites**

System ROM V1.26 or later The "iLO 5 Channel Interface Driver" (CHIF) for Windows

**Enhancements**

Version 0.2.3.0 firmware

---

**Online ROM Flash for Linux - Advanced Power Capping Microcontroller Firmware for servers using Intel Xeon Scalable 3100/4100/5100/6100/8100 series Processors**

Version: 1.1.4 (C) (Recommended)

**Enhancements**

Version 1.1.4 firmware

---

**Online ROM Flash for Windows x64 - Advanced Power Capping Microcontroller Firmware for servers using Intel Xeon Scalable 3100/4100/5100/6100/8100 series Processors**

Version: 1.1.4 (C) (Recommended)

en,ja

**Enhancements**

Version 1.1.4 firmware

---

**Online ROM Flash for Windows x64 - Innovation Engine Firmware for servers using Intel Xeon Scalable 4300/5300/6300/8300 series Processors**

Version: 1.0.0.22 (C) (Recommended)

en,ja

**Prerequisites**

System ROM V1.26 or later The "iLO 5 Channel Interface Driver" (CHIF) for Windows

## **Enhancements**

Version 1.0.0.22 firmware

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## **ROM Flash Firmware Package - Advanced Power Capping Microcontroller Firmware for servers using Intel Xeon Scalable 3100/4100/5100/6100/8100 series Processors**

Version: 1.1.4 (Recommended)

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## **Enhancements**

Version 1.1.4 firmware

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## **Online HDD/SSD Flash Component for Linux (x64) - EG000600JWJNP, EG001200JWJNQ, EG000600JXLVV, EG001200JXLWA and EG001200MXJQU Drives**

Version: HPD8 (D) (Recommended)

---

## **Important Note!**

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

## **Fixes**

- Fixed flashing issue through SDR method
- 

## **Online HDD/SSD Flash Component for Linux (x64) - EG001800JWJNR, EG002400JWJNT, EG001800JXLWB, EG002400JXLWC and EG002400MXJQT Drives**

Version: HPDA (E) (Recommended)

---

## **Important Note!**

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

## **Fixes**

- Fixed flashing issue through SDR method
- 

## **Online HDD/SSD Flash Component for Linux (x64) - EO000400JWDKP, EO000800JWDKQ, EO001600JWDKR, MO000400JWDKU, MO000800JWDKV, MO001600JWDLA and MO003200JWDLB Drives**

Version: HPD3 (C) (Recommended)

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## **Fixes**

- Fixed flashing issue through SDR method
- 

## **Online HDD/SSD Flash Component for Linux (x64) - MB002000JWFVN and MB004000JWFVP Drives**

Version: HPD4 (I) (Recommended)

---

## **Important Note!**

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

## **Fixes**

- Fixed flashing issue through SDR method
-

---

**Online HDD/SSD Flash Component for Linux (x64) - MB004000JWFVK and MB006000JWFVL Drives**

Version: HPD4 (H) (Recommended)

**Important Note!**

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

**Fixes**

- Fixed flashing issue through SDR method

---

**Online HDD/SSD Flash Component for Linux (x64) - MB018000JXMTH and MB020000JXMTP Drives**

Version: HPD3 (Recommended)

**Fixes**

- Fix to Assert fixes, current firmware improvements and bug fixes.

---

**Online HDD/SSD Flash Component for Linux (x64) - MM1000JEFRB and MM2000JEFRC Drives**

Version: HPDA (E) (Recommended)

**Important Note!**

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

**Fixes**

- Fixed flashing issue through SDR method

---

**Online HDD/SSD Flash Component for Linux (x64) - MO000400JWUFT, MO000800JWUFU, MO001600JWUFV, MO003200JWUGA, MO006400JWUGB, EO000400JWUGC, EO000800JWUGD and EO001600JWUGE Drives**

Version: HPD4 (B) (Critical)

**Fixes**

**Fixes the potential drive hang issue after POH exceed 6.5 years. We suggest customers to update the FW as soon as possible to prevent inconvenience.**

---

**Online HDD/SSD Flash Component for Linux (x64) - VO000960JWTBK, VO001920JWTL, VO003840JWTLN, VO007680JWTLB, MO000400JWTLQ, MO000800JWTLR, MO001600JWTLT, MO003200JWTLU, MO006400JWTLCD, EO000400JWTLV, EO000800JWTLCA and EO001600JWTLCB Drives**

Version: HPDB (C) (Recommended)

**Important Note!**

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

**Fixes**

- Fixed flashing issue through SDR method

---

**Online HDD/SSD Flash Component for Linux (x64) - EG000300JWSJP, EG000600JWJNH and EG001200JWJNK Drives**

Version: HPD5 (G) (Recommended)

### **Important Note!**

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

### **Fixes**

- Fixed flashing issue through SDR method
- 

### **Online HDD/SSD Flash Component for Linux (x64) - EG001800JWJNL and EG002400JWJNN Drives**

Version: HPD5 (G) (Recommended)

### **Important Note!**

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

### **Fixes**

- Fixed flashing issue through SDR method
- 

### **Online HDD/SSD Flash Component for Linux (x64) - EH000600JWCPF and EH000900JWCPH Drives**

Version: HPDD (B) (Recommended)

### **Important Note!**

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

### **Fixes**

**Fixes the displayed message of direct attached NVMe firmware flashing to align FW activation result by OS.**

---

### **Online HDD/SSD Flash Component for Linux (x64) - EH000900JWHPK and EH000600JWHPH Drives**

Version: HPD8 (E) (Recommended)

### **Important Note!**

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

### **Fixes**

- Fixed flashing issue through SDR method
- 

### **Online HDD/SSD Flash Component for Linux (x64) - EH000900JWHPP, EH000600JWHPN and EH000300JWHPL Drives**

Version: HPD8 (E) (Recommended)

### **Important Note!**

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

### **Fixes**

- Fixed flashing issue through SDR method
- 

### **Online HDD/SSD Flash Component for Linux (x64) - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCC, MO006400PXDCE, VO000960PXDDBN, VO001920PXDDBR, VO003840PXDDBT, VO007680PXDDBU and VO015300PXDDBV Drives**

Version: HPD4 (B) (Recommended)

### **Important Note!**

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

### **Fixes**

- Maintenance firmware release to introduce fixes from previous firmware.
- 

### **Online HDD/SSD Flash Component for Linux (x64) - MB002000JYDNE and MB004000JYDPB Drives**

Version: HPD4 (Recommended)

### **Fixes**

#### **Fixes the logic bug in the media cache cleaning abort handling that caused the drive to choose and execute the R/W command before the Request Sense to prevent assert.**

- Adding other logging and FW enhancements.
- 

### **Online HDD/SSD Flash Component for Linux (x64) - MB004000JWKGU Drive**

Version: HPD2 (H) (Recommended)

### **Fixes**

- Fixed flashing issue through SDR method
- 

### **Online HDD/SSD Flash Component for Linux (x64) - MB004000JWWQB and MB002000JWWQA Drives**

Version: HPD8 (F) (Recommended)

### **Important Note!**

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

### **Fixes**

- Fixed flashing issue through SDR method
- 

### **Online HDD/SSD Flash Component for Linux (x64) - MB006000JWKGN Drive**

Version: HPD2 (H) (Recommended)

### **Fixes**

- Fixed flashing issue through SDR method
- 

### **Online HDD/SSD Flash Component for Linux (x64) - MB006000JYDNF, MB008000JYDPC and MB010000JYDNH Drives**

Version: HPD3 (B) (Recommended)

### **Fixes**

#### **Fixes the logic bug in the media cache cleaning abort handling that caused the drive to choose and execute the R/W command before the Request Sense to prevent assert.**

- Adding other logging and FW enhancements.

### **Supported Devices and Features**

- For Drive Model "MB010000JYDNH" of 10TB, initial release FW is HPD3 and there is no downgrade support for this model to lower version HPD2.

---

**Online HDD/SSD Flash Component for Linux (x64) - MB008000JWJRQ and MB006000JWJRP Drives**

Version: HPD9 (H) (Recommended)

**Important Note!**

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

**Fixes**

- Fixed flashing issue through SDR method
- 

**Online HDD/SSD Flash Component for Linux (x64) - MB008000JWRD Drive**

Version: HPD2 (I) (Recommended)

**Important Note!**

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

**Fixes**

- Fixed flashing issue through SDR method
- 

**Online HDD/SSD Flash Component for Linux (x64) - MB008000JWWQP and MB006000JWWQN Drives**

Version: HPD8 (F) (Recommended)

**Important Note!**

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

**Fixes**

- Fixed flashing issue through SDR method
- 

**Online HDD/SSD Flash Component for Linux (x64) - MB010000JWZHA, MB012000JWZHB, MB014000JWZHC and MB016000JWZHE Drives**

Version: HPD4 (E) (Recommended)

**Important Note!**

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

**Fixes**

- Fixed flashing issue through SDR method
- 

**Online HDD/SSD Flash Component for Linux (x64) - MB010000JYDKK, MB012000JYCJF, MB014000JYCJV, MB016000JYDKL and MB018000JYDKN Drives**

Version: HPD3 (C) (Recommended)

**Fixes**

- Fixed flashing issue through SDR method
- 

**Online HDD/SSD Flash Component for Linux (x64) - MB012000JWDFD Drive**

Version: HPD4 (C) (Recommended)

### Fixes

- Fixed flashing issue through SDR method.
- 

### **Online HDD/SSD Flash Component for Linux (x64) - MB012000JZYVN, MB014000JZYVP, MB016000JZYVQ and MB018000JYCLK Drives**

Version: HPD4 (C) (Recommended)

### Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

### Fixes

- Fixed flashing issue through SDR method
- 

### **Online HDD/SSD Flash Component for Linux (x64) - MB014000JWRTH, MB012000JWRTF and MB010000JWRTE Drives**

Version: HPD2 (M) (Recommended)

### Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

### Fixes

- Fixed flashing issue through SDR method
- 

### **Online HDD/SSD Flash Component for Linux (x64) - MB014000JWTFD and MB012000JWTFC Drives**

Version: HPD9 (B) (Recommended)

### Fixes

- This maintenance revision improves data integrity. The risk of not upgrading to this firmware is the increased possibility of data corruption in certain error and timing conditions.
- 

### **Online HDD/SSD Flash Component for Linux (x64) - MB014000JWUDB Drive**

Version: HPD4 (C) (Recommended)

### Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

### Fixes

- Fixed flashing issue through SDR method
- 

### **Online HDD/SSD Flash Component for Linux (x64) - MB014000JXUCC Drive**

Version: HPD4 (D) (Recommended)

### Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

### Fixes

- Fixed flashing issue through SDR method
-

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**Online HDD/SSD Flash Component for Linux (x64) - MB016000JWXKH Drive**

Version: HPDC (Recommended)

**Fixes**

- This maintenance revision improves data integrity.
- The risk of not upgrading to this firmware is the increased possibility of data corruption in certain error and timing conditions.

---

**Online HDD/SSD Flash Component for Linux (x64) - MB016000JXLBA and MB018000JXLAU Drives**

Version: HPD3 (D) (Recommended)

**Important Note!**

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

**Fixes**

- Fixed flashing issue through SDR method

---

**Online HDD/SSD Flash Component for Linux (x64) - MB2000JFDSL and MB4000JFDSN Drives**

Version: HPD4 (N) (Recommended)

**Important Note!**

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

**Fixes**

- Fixed flashing issue through SDR method

---

**Online HDD/SSD Flash Component for Linux (x64) - MM1000JFJTH Drive**

Version: HPD5 (E) (Recommended)

**Important Note!**

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

**Fixes**

- Fixed flashing issue through SDR method

---

**Online HDD/SSD Flash Component for Linux (x64) - MO000800JXBVEV, MO001600JXBFBP, MO003200JXBFBQ, MO006400JXBFR, MO000960JXBFA, MO001920JXBFT, MO003840JXBFU, MO007680JXBGA, MO015360JXBFBV, EO000400JXBVEU, EO000800JXBFL and EO001600JXBFBN Drives**

Version: HPD2 (Critical)

**Fixes**

**Fixes the potential drive hang issue after POH exceed 6.5 years. We suggest customers to update the FW as soon as possible to prevent inconvenience.**

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**Online HDD/SSD Flash Component for Linux (x64) - VO000800JWZJP, VO001600JWZJQ, VO003200JWZJR and VO006400JWZJT Drives**

Version: HPD5 (D) (Recommended)

### **Important Note!**

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

### **Fixes**

- Fixed flashing issue through SDR method
- 

### **Online HDD/SSD Flash Component for Linux (x64) - VO000960JWZJF, VO001920JWZJH, VO003840JWZJK, VO007680JWZJL and VO015360JWZJN Drives**

Version: HPD5 (D) (Recommended)

### **Fixes**

- Fixed flashing issue through SDR method
- 

### **Online HDD/SSD Flash Component for Linux (x64) - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives**

Version: HPD8 (C) (Recommended)

### **Important Note!**

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

### **Fixes**

- Fixed flashing issue through SDR method
- 

### **Online HDD/SSD Flash Component for Linux (x64) - VO003840XZCLT, VO007680XZCMB, MO000800XZCLQ and MO001600XZCLV Drives**

Version: HPD3 (B) (Recommended)

### **Important Note!**

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

### **Fixes**

- Maintenance firmware release to introduce fixes from previous firmware.
- 

### **Online HDD/SSD Flash Component for VMware ESXi - EG000600JWJNP, EG001200JWJNQ, EG000600JXLVV, EG001200JXLWA and EG001200MXJQU Drives**

Version: HPD8 (C) (Recommended)

### **Important Note!**

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

### **Enhancements**

- Added support for ESXi 9.0.
- 

### **Online HDD/SSD Flash Component for VMware ESXi - EG001800JWJNR, EG002400JWJNT, EG001800JXLWB, EG002400JXLWC and EG002400MXJQT Drives**

Version: HPDA (D) (Recommended)

**Important Note!**

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

**Enhancements**

- Added support for ESXi 9.0.
- 

**Online HDD/SSD Flash Component for VMware ESXi - EH000900JWHPK and EH000600JWHPH Drives**

Version: HPD8 (C) (Recommended)

**Important Note!**

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

**Enhancements**

- Added support for ESXi 9.0.
- 

**Online HDD/SSD Flash Component for VMware ESXi - EH000900JWHPP, EH000600JWHPN and EH000300JWHPL Drives**

Version: HPD8 (C) (Recommended)

**Important Note!**

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

**Enhancements**

- Added support for ESXi 9.0.
- 

**Online HDD/SSD Flash Component for VMware ESXi - EO000400JWDKP, EO000800JWDKQ, EO001600JWDKR, MO000400JWDKU, MO000800JWDKV, MO001600JWDLA and MO003200JWDLB Drives**

Version: HPD3 (B) (Recommended)

**Important Note!**

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

**Enhancements**

- Added support for ESXi 9.0.
- 

**Online HDD/SSD Flash Component for VMware ESXi - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCE, MO006400PXDCE, VO000960PXDDBN, VO001920PXDDBR, VO003840PXDBT, VO007680PXDBU and VO015300PXDBV Drives**

Version: HPD4 (B) (Recommended)

**Important Note!**

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

**Enhancements**

- Added support for ESXi 9.0.
-

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**Online HDD/SSD Flash Component for VMware ESXi - MB002000JWFVN and MB004000JWFVP Drives**

Version: HPD4 (G) (Recommended)

**Important Note!**

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

**Enhancements**

- Added support for ESXi 9.0.

---

**Online HDD/SSD Flash Component for VMware ESXi - MB002000JYDNE and MB004000JYDPB Drives**

Version: HPD4 (B) (Recommended)

**Important Note!**

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc

**Enhancements**

- Added support for ESXi 9.0.

---

**Online HDD/SSD Flash Component for VMware ESXi - MB004000JWFVK and MB006000JWFVL Drives**

Version: HPD4 (F) (Recommended)

**Important Note!**

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

**Enhancements**

- Added support for ESXi 9.0.

---

**Online HDD/SSD Flash Component for VMware ESXi - MB006000JYDNF, MB008000JYDPC and MB010000JYDNH Drives**

Version: HPD3 (B) (Recommended)

**Important Note!**

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc

**Enhancements**

- Added support for ESXi 9.0.

---

**Online HDD/SSD Flash Component for VMware ESXi - MB010000JWZHA, MB012000JWZHB, MB014000JWZHC and MB016000JWZHE Drives**

Version: HPD4 (C) (Recommended)

**Important Note!**

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc

**Enhancements**

- Added support for ESXi 9.0.

---

**Online HDD/SSD Flash Component for VMware ESXi - MB010000JYDKK, MB012000JYCJF, MB014000JYCJV, MB016000JYDKL and MB018000JYDKN Drives**

Version: HPD3 (C) (Recommended)

**Important Note!**

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc

**Enhancements**

- Added support for ESXi 9.0.

---

**Online HDD/SSD Flash Component for VMware ESXi - MB012000JWDFD Drive**

Version: HPD4 (C) (Recommended)

**Important Note!**

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

**Enhancements**

- Added support for ESXi 9.0.

---

**Online HDD/SSD Flash Component for VMware ESXi - MB018000JXMTH and MB020000JXMTP Drives**

Version: HPD3 (B) (Recommended)

**Important Note!**

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc

**Enhancements**

- Added support for ESXi 9.0.

---

**Online HDD/SSD Flash Component for VMware ESXi - MM1000JEFRB and MM2000JEFRC Drives**

Version: HPDA (E) (Recommended)

**Enhancements**

- Added support for ESXi 9.0.

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**Online HDD/SSD Flash Component for VMware ESXi - MM1000JFJTH Drive**

Version: HPD5 (E) (Recommended)

**Enhancements**

- Added support for ESXi 9.0.

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**Online HDD/SSD Flash Component for VMware ESXi - MO000400JWUFT, MO000800JWUFU, MO001600JWUFV, MO003200JWUGA, MO006400JWUGB, EO000400JWUGC, EO000800JWUGD and EO001600JWUGE Drives**

Version: HPD4 (B) (Recommended)

**Important Note!**

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

### **Enhancements**

- Added support for ESXi 9.0.
- 

### **Online HDD/SSD Flash Component for VMware ESXi - VO000960JWBK, VO001920JWTL, VO003840JWBN, VO007680JWBP, MO000400JWBQ, MO000800JWBR, MO001600JWBT, MO003200JWBU, MO006400JWTC, EO000400JWBV, EO000800JWTC, EO001600JWTCB Drives**

Version: HPDB (C) (Recommended)

### **Important Note!**

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

### **Enhancements**

- Added support for ESXi 9.0.
- 

### **Online HDD/SSD Flash Component for VMware ESXi - VO003840XZCLT, VO007680XZCMB, MO000800XZCLQ and MO001600XZCLV Drives**

Version: HPD3 (B) (Recommended)

### **Important Note!**

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

### **Enhancements**

- Added support for ESXi 9.0.
- 

### **Online HDD/SSD Flash Component for VMware ESXi - EG000300JWSJP, EG000600JWJNH and EG001200JWJNK Drives**

Version: HPD5 (E) (Recommended)

### **Important Note!**

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

### **Enhancements**

- Added support for ESXi 9.0.
- 

### **Online HDD/SSD Flash Component for VMware ESXi - EG001800JWJNL and EG002400JWJNN Drives**

Version: HPD5 (E) (Recommended)

### **Important Note!**

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

### **Enhancements**

- Added support for ESXi 9.0.
- 

### **Online HDD/SSD Flash Component for VMware ESXi - EH000600JWCPF and EH000900JWCPH Drives**

Version: HPDD (B) (Recommended)

### **Important Note!**

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D)

etc.

#### **Enhancements**

- Added support for ESXi 9.0.
- 

#### **Online HDD/SSD Flash Component for VMware ESXi - MB004000JWKGU Drive**

Version: HPD2 (F) (Recommended)

#### **Important Note!**

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc

#### **Enhancements**

- Added support for ESXi 9.0.
- 

#### **Online HDD/SSD Flash Component for VMware ESXi - MB004000JWWQB and MB002000JWWQA Drives**

Version: HPD8 (C) (Recommended)

#### **Important Note!**

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

#### **Enhancements**

- Added support for ESXi 9.0.
- 

#### **Online HDD/SSD Flash Component for VMware ESXi - MB006000JWKGN Drive**

Version: HPD2 (F) (Recommended)

#### **Important Note!**

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc

#### **Enhancements**

- Added support for ESXi 9.0.
- 

#### **Online HDD/SSD Flash Component for VMware ESXi - MB008000JWJRQ and MB006000JWJRP Drives**

Version: HPD9 (G) (Recommended)

#### **Important Note!**

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc

#### **Enhancements**

- Added support for ESXi 9.0.
- 

#### **Online HDD/SSD Flash Component for VMware ESXi - MB008000JWRD Drive**

Version: HPD2 (G) (Recommended)

#### **Important Note!**

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

### **Enhancements**

- Added support for ESXi 9.0.
- 

### **Online HDD/SSD Flash Component for VMware ESXi - MB008000JWWQP and MB006000JWWQN Drives**

Version: HPD8 (C) (Recommended)

### **Enhancements**

- Added support for ESXi 9.0.
- 

### **Online HDD/SSD Flash Component for VMware ESXi - MB012000JZYVN, MB014000JZYVP, MB016000JZYVQ and MB018000JYCLK Drives**

Version: HPD4 (C) (Recommended)

### **Important Note!**

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

### **Enhancements**

- Added support for ESXi 9.0.
- 

### **Online HDD/SSD Flash Component for VMware ESXi - MB014000JWTFD and MB012000JWTFC Drives**

Version: HPD9 (B) (Recommended)

### **Important Note!**

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

### **Enhancements**

- Added support for ESXi 9.0.
- 

### **Online HDD/SSD Flash Component for VMware ESXi - MB014000JWUDB Drive**

Version: HPD4 (C) (Recommended)

### **Important Note!**

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

### **Enhancements**

- Added support for ESXi 9.0.
- 

### **Online HDD/SSD Flash Component for VMware ESXi - MB014000JXUCC Drive**

Version: HPD4 (C) (Recommended)

### **Important Note!**

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

### **Enhancements**

- Added support for ESXi 9.0.
-

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## Online HDD/SSD Flash Component for VMware ESXi - MB016000JWXKH Drive

Version: HPDC (B) (Recommended)

### Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

### Enhancements

- Added support for ESXi 9.0.

---

## Online HDD/SSD Flash Component for VMware ESXi - MB016000JXLBA and MB018000JXLAU Drives

Version: HPD3 (C) (Recommended)

### Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

### Enhancements

- Added support for ESXi 9.0.

---

## Online HDD/SSD Flash Component for VMware ESXi - MB2000JFDSL and MB4000JFDSN Drives

Version: HPD4 (M) (Recommended)

### Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

### Enhancements

- Added support for ESXi 9.0.

---

## Online HDD/SSD Flash Component for VMware ESXi - MO000800JXBEV, MO001600JXBFP, MO003200JXBFQ, MO006400JXBFR, MO000960JXBFA, MO001920JXBFT, MO003840JXBFU, MO007680JXBGA, MO015360JXBFV, EO000400JXBEU, EO000800JXBFL and EO001600JXBFN Drives

Version: HPD2 (Critical)

### Fixes

**Fixes the potential drive hang issue after POH exceed 6.5 years. We suggest customers to update the FW as soon as possible to prevent inconvenience.**

---

## Online HDD/SSD Flash Component for VMware ESXi - VO000800JWZJP, VO001600JWZJQ, VO003200JWZJR and VO006400JWZJT Drives

Version: HPD5 (C) (Recommended)

### Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

### Enhancements

- Added support for ESXi 9.0.

---

**Online HDD/SSD Flash Component for VMware ESXi - VO000960JWZJF, VO001920JWZJH, VO003840JWZJK, VO007680JWZJL and VO015360JWZJN Drives**

Version: HPD5 (C) (Recommended)

**Important Note!**

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

**Enhancements**

- Added support for ESXi 9.0.

---

**Online HDD/SSD Flash Component for VMware ESXi - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives**

Version: HPD8 (C) (Recommended)

**Important Note!**

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

**Enhancements**

- Added support for ESXi 9.0.

---

**Online HDD/SSD Flash Component for VMware ESXi -MB014000JWRTH, MB012000JWRTF and MB010000JWRTE Drives**

Version: HPD2 (J) (Recommended)

**Enhancements**

- Added support for ESXi 9.0.

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**Online HDD/SSD Flash Component for Windows (x64) - EG000300JWSJP, EG000600JWJNH and EG001200JWJNK Drives**

Version: HPD5 (E) (Recommended)

**Important Note!**

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

**Fixes**

- Fix the controller library compatible issue.

**Enhancements**

- Added support for Azure Stack HCI 23H2

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**Online HDD/SSD Flash Component for Windows (x64) - EG000600JWJNP, EG001200JWJNQ, EG000600JXLVV, EG001200JXLWA and EG001200MXJQU Drives**

Version: HPD8 (C) (Recommended)

**Important Note!**

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

### **Enhancements**

- Added support for Azure Stack HCI 23H2.
- 

### **Online HDD/SSD Flash Component for Windows (x64) - EG001800JWJNL and EG002400JWJNN Drives**

Version: HPD5 (E) (Recommended)

### **Important Note!**

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

### **Fixes**

- Fix the controller library compatible issue.

### **Enhancements**

- Added support for Azure Stack HCI 23H2
- 

### **Online HDD/SSD Flash Component for Windows (x64) - EG001800JWJNR, EG002400JWJNT, EG001800JXLWB, EG002400JXLWC and EG002400MXJQT Drives**

Version: HPDA (D) (Recommended)

### **Important Note!**

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

### **Fixes**

- Added support for Azure Stack HCI 23H2.
- 

### **Online HDD/SSD Flash Component for Windows (x64) - EH000600JWCPF and EH000900JWCPH Drives**

Version: HPDD (B) (Recommended)

### **Important Note!**

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

### **Enhancements**

- Added support for Azure Stack HCI 23H2.
- 

### **Online HDD/SSD Flash Component for Windows (x64) - EH000900JWHPK and EH000600JWHPH Drives**

Version: HPD8 (D) (Recommended)

### **Important Note!**

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

### **Fixes**

- Fix the controller library compatible issue.

### **Enhancements**

- Added support for Azure Stack HCI 23H2

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**Online HDD/SSD Flash Component for Windows (x64) - EH000900JWHPP, EH000600JWHPN and EH000300JWHPL Drives**

Version: HPD8 (D) (Recommended)

**Important Note!**

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

**Fixes**

- Fix the controller library compatible issue.

**Enhancements**

- Added support for Azure Stack HCI 23H2

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**Online HDD/SSD Flash Component for Windows (x64) - EO000400JWDKP, EO000800JWDKQ, EO001600JWDKR, MO000400JWDKU, MO000800JWDKV, MO001600JWDLA and MO003200JWDLB Drives**

Version: HPD3 (B) (Recommended)

**Important Note!**

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

**Fixes**

**Fixes the potential drive hang issue after POH exceed 6.5 years. We suggest customers to update the FW as soon as possible to prevent inconvenience.**

**Enhancements**

- Added support for Azure Stack HCI 23H2.

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**Online HDD/SSD Flash Component for Windows (x64) - EO000400PXDBQ, EO000800PXDCQ, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCC, MO006400PXDCE, VO000960PXDDBN, VO001920PXDDBR, VO003840PXDDBT, VO007680PXDDBU and VO015300PXDDBV Drives**

Version: HPD4 (B) (Recommended)

**Important Note!**

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

**Enhancements**

- Added support for Azure Stack HCI 23H2.

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**Online HDD/SSD Flash Component for Windows (x64) - MB002000JWFVN and MB004000JWFVP Drives**

Version: HPD4 (G) (Recommended)

**Important Note!**

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

**Enhancements**

- Added support for Azure Stack HCI 23H2.

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**Online HDD/SSD Flash Component for Windows (x64) - MB002000JYDNE and MB004000JYDPB Drives**

Version: HPD4 (B) (Recommended)

**Important Note!**

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

**Enhancements**

- Added support for Azure Stack HCI 23H2.

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**Online HDD/SSD Flash Component for Windows (x64) - MB004000JWFVK and MB006000JWFVL Drives**

Version: HPD4 (F) (Recommended)

**Important Note!**

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

**Enhancements**

- Added support for Azure Stack HCI 23H2.

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**Online HDD/SSD Flash Component for Windows (x64) - MB004000JWKGU Drive**

Version: HPD2 (F) (Recommended)

**Important Note!**

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

**Enhancements**

- Added support for Azure Stack HCI 23H2.

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**Online HDD/SSD Flash Component for Windows (x64) - MB004000JWWQB and MB002000JWWQA Drives**

Version: HPD8 (D) (Recommended)

**Important Note!**

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

**Enhancements**

- Added support for Azure Stack HCI 23H2.

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**Online HDD/SSD Flash Component for Windows (x64) - MB006000JWKGN Drive**

Version: HPD2 (F) (Recommended)

**Important Note!**

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

**Enhancements**

- Added support for Azure Stack HCI 23H2.

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**Online HDD/SSD Flash Component for Windows (x64) - MB006000JYDNF, MB008000JYDPC and MB010000JYDNH Drives**

Version: HPD3 (B) (Recommended)

**Important Note!**

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

**Enhancements**

- Added support for Azure Stack HCI 23H2.

**Supported Devices and Features**

- For Drive Model "MB010000JYDNH" of 10TB, initial release FW is HPD3 and there is no downgrade support for this model to lower version HPD2.

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**Online HDD/SSD Flash Component for Windows (x64) - MB008000JWJRQ and MB006000JWJRP Drives**

Version: HPD9 (G) (Recommended)

**Important Note!**

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

**Fixes**

- Fix the controller library compatible issue.

**Enhancements**

- Added support for Azure Stack HCI 23H2

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**Online HDD/SSD Flash Component for Windows (x64) - MB008000JWRTD Drive**

Version: HPD2 (G) (Recommended)

**Important Note!**

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

**Enhancements**

- Added support for Azure Stack HCI 23H2.

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**Online HDD/SSD Flash Component for Windows (x64) - MB008000JWWQP and MB006000JWWQN Drives**

Version: HPD8 (D) (Recommended)

**Important Note!**

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

**Enhancements**

- Added support for Azure Stack HCI 23H2.

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**Online HDD/SSD Flash Component for Windows (x64) - MB010000JWZHA, MB012000JWZHB, MB014000JWZHC and MB016000JWZHE Drives**

Version: HPD4 (D) (Recommended)

### **Important Note!**

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

### **Enhancements**

- Added support for Azure Stack HCI 23H2.
- 

### **Online HDD/SSD Flash Component for Windows (x64) - MB010000JYDKK, MB012000JYCJF, MB014000JYCJV, MB016000JYDKL and MB018000JYDKN Drives**

Version: HPD3 (C) (Recommended)

### **Important Note!**

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

### **Enhancements**

- Added support for Azure Stack HCI 23H2.
- 

### **Online HDD/SSD Flash Component for Windows (x64) - MB012000JWDFD Drive**

Version: HPD4 (C) (Recommended)

### **Important Note!**

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

### **Enhancements**

- Added support for Azure Stack HCI 23H2.
- 

### **Online HDD/SSD Flash Component for Windows (x64) - MB012000JZYVN, MB014000JZYVP, MB016000JZYVQ and MB018000JYCLK Drives**

Version: HPD4 (C) (Recommended)

### **Important Note!**

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

### **Fixes**

- Fix the controller library compatible issue.

### **Enhancements**

- Added support for Azure Stack HCI 23H2.
- 

### **Online HDD/SSD Flash Component for Windows (x64) - MB014000JWRTH, MB012000JWRTF and MB010000JWRTE Drives**

Version: HPD2 (I) (Recommended)

### **Important Note!**

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

### **Enhancements**

- Added support for Azure Stack HCI 23H2.
-

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## Online HDD/SSD Flash Component for Windows (x64) - MB014000JWTFD and MB012000JWTFD Drives

Version: HPD9 (B) (Recommended)

### Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

### Fixes

- This maintenance revision improves data integrity. The risk of not upgrading to this firmware is the increased possibility of data corruption in certain error and timing conditions.

### Enhancements

- Added support for Azure Stack HCI 23H2

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## Online HDD/SSD Flash Component for Windows (x64) - MB014000JWUDB Drive

Version: HPD4 (C) (Recommended)

### Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

### Fixes

- Fix the controller library compatible issue.

### Enhancements

- Added support for Azure Stack HCI 23H2.

---

## Online HDD/SSD Flash Component for Windows (x64) - MB014000JXUCC Drive

Version: HPD4 (C) (Recommended)

### Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

### Fixes

- Fix the controller library compatible issue.

### Enhancements

- Added support for Azure Stack HCI 23H2.

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## Online HDD/SSD Flash Component for Windows (x64) - MB016000JWXKH Drive

Version: HPDC (B) (Recommended)

### Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

### Fixes

- This maintenance revision improves data integrity.
- The risk of not upgrading to this firmware is the increased possibility of data corruption in certain error and timing conditions.

### **Enhancements**

- Added support for Azure Stack HCI 23H2
- 

### **Online HDD/SSD Flash Component for Windows (x64) - MB016000JXLBA and MB018000JXLAU Drives**

Version: HPD3 (C) (Recommended)

### **Important Note!**

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

### **Fixes**

- Fix the controller library compatible issue.

### **Enhancements**

- Added support for Azure Stack HCI 23H2.
- 

### **Online HDD/SSD Flash Component for Windows (x64) - MB018000JXMTH and MB020000JXMTP Drives**

Version: HPD3 (B) (Recommended)

### **Important Note!**

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

### **Enhancements**

- Added support for Azure Stack HCI 23H2.
- 

### **Online HDD/SSD Flash Component for Windows (x64) - MB2000JFDSL and MB4000JFDSN Drives**

Version: HPD4 (K) (Recommended)

### **Important Note!**

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

### **Enhancements**

- Added support for Azure Stack HCI 23H2.
- 

### **Online HDD/SSD Flash Component for Windows (x64) - MM1000JEFRB and MM2000JEFRC Drives**

Version: HPDA (E) (Recommended)

### **Important Note!**

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

### **Enhancements**

- Added support for Azure Stack HCI 23H2.
- 

### **Online HDD/SSD Flash Component for Windows (x64) - MM1000JFJTH Drive**

Version: HPD5 (E) (Recommended)

### **Important Note!**

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

### Enhancements

- Added support for Azure Stack HCI 23H2.

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**Online HDD/SSD Flash Component for Windows (x64) - MO000400JWUFT, MO000800JWUFU, MO001600JWUFV, MO003200JWUGA, MO006400JWUGB, EO000400JWUGC, EO000800JWUGD and EO001600JWUGE Drives**

Version: HPD4 (B) (Recommended)

### Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

### Fixes

**Fixes the potential drive hang issue after POH exceed 6.5 years. We suggest customers to update the FW as soon as possible to prevent inconvenience.**

### Enhancements

- Added support for Azure Stack HCI 23H2.

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**Online HDD/SSD Flash Component for Windows (x64) - MO000800JXBEV, MO001600JXBFP, MO003200JXBFQ, MO006400JXBFR, MO000960JXBFA, MO001920JXBFT, MO003840JXBFU, MO007680JXBGA, MO015360JXBFV, EO000400JXBEU, EO000800JXBFL and EO001600JXBFN Drives**

Version: HPD2 (Critical)

### Fixes

**Fixes the potential drive hang issue after POH exceed 6.5 years. We suggest customers to update the FW as soon as possible to prevent inconvenience.**

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**Online HDD/SSD Flash Component for Windows (x64) - VO000800JWZJP, VO001600JWZJQ, VO003200JWZJR and VO006400JWZJT Drives**

Version: HPD5 (C) (Recommended)

### Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

### Enhancements

- Added support for Azure Stack HCI 23H2.

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**Online HDD/SSD Flash Component for Windows (x64) - VO000960JWTBK, VO001920JWTBL, VO003840JWTBN, VO007680JWTBP, MO000400JWTBQ, MO000800JWTBR, MO001600JWTBT, MO003200JWTBU, MO006400JWTCB, EO000400JWTCV, EO000800JWTCB and EO001600JWTCB Drives**

Version: HPDB (C) (Recommended)

### Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

### Enhancements

- Added support for Azure Stack HCI 23H2.

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**Online HDD/SSD Flash Component for Windows (x64) - VO000960JWZJF, VO001920JWZJH, VO003840JWZJK, VO007680JWZJL and VO015360JWZJN Drives**

Version: HPD5 (C) (Recommended)

**Important Note!**

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

**Enhancements**

- Added support for Azure Stack HCI 23H2.

---

**Online HDD/SSD Flash Component for Windows (x64) - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives**

Version: HPD8 (C) (Recommended)

**Important Note!**

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

**Enhancements**

- Added support for Azure Stack HCI 23H2.

---

**Online HDD/SSD Flash Component for Windows (x64) - VO003840XZCLT, VO007680XZCMB, MO000800XZCLQ and MO001600XZCLV Drives**

Version: HPD3 (B) (Recommended)

**Important Note!**

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

**Enhancements**

- Added support for Azure Stack HCI 23H2.

---

**Universal Firmware Package for Drives - MB006000JWZVQ and MB008000JWZVR**

Version: HPD3 (B) (Recommended)

**Fixes**

- Remove ROM flash way from this FWPKG.

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**Universal Firmware Package for Drives - MB004000JWZVU**

Version: HPD3 (B) (Recommended)

**Fixes**

- Remove ROM flash way from this FWPKG.

---

**Universal Firmware Package for Drives - MB020000JXMVU**

Version: HPD1 (B) (Recommended)

**Fixes**

- Remove ROM flash way from this FWPKG.

---

**Universal Firmware Package for Drives - MB12000JYESN, MB16000JYEVC, MB20000JYEVD**

Version: HPD1 (B) (Recommended)

**Fixes**

- Remove ROM flash way from this FWPKG.

---

**Universal Firmware Package for Drives - MB24000JYEVE**

Version: HPD1 (B) (Recommended)

**Fixes**

- Remove ROM flash way from this FWPKG.

---

**Universal Firmware Package for Drives - MO000960RXKRC, MO001920RXKRH, MO003840RXKRK, VO000960RXKRB, VO001920RXKRD and VO003840RXKRE**

Version: HPD5 (B) (Recommended)

**Fixes**

- Remove ROM flash way from this FWPKG.

---

**Universal Firmware Package for Drives - MO000960RXRQK, MO001920XRRH, MO003840XRRK, VO000960RXRQL, VO001920XRRL, VO003840XRRN and VO007680RYEWD**

Version: HPD4 (B) (Critical)

**Fixes**

- Remove ROM flash way from this FWPKG.

---

**Universal Firmware Package for Drives - MO001600PXMTN, MO003200PXMTV, MO006400PXMUA, VO001920PXMTL, VO003840PXMTTR, VO007680PXMTT and VO015360PXMTU**

Version: HPD2 (B) (Recommended)

**Fixes**

- Remove ROM flash way from this FWPKG.

---

**Universal Firmware Package for Drives - MO001600PZWSH, MO003200PZWSK, MO000800PZWSF and MO006400PZXFA**

Version: HPD3 (B) (Recommended)

**Fixes**

- Remove ROM flash way from this FWPKG.

---

**Universal Firmware Package for Drives - VO000960PZWSL, VO001920PZWSN, VO003840PZWSP, VO007680PZXFB and VO015360PZXEU**

Version: HPD3 (B) (Recommended)

**Fixes**

- Remove ROM flash way from this FWPKG.

---

**Universal Firmware Package for Drives - VO000960RZWUP, VO000960RZUQ, VO001920RZWUR, VO001920RZUW, VO003840RZWUT, VO003840RZWVA and VO007680RZUU**

Version: HPD1 (B) (Recommended)

## Fixes

- Remove ROM flash way from this FWPKG.
- 

## **Online HDD/SSD Flash Component for Linux (x64) - MB018000GXMTK and MB020000GXMTQ Drives**

Version: HPG3 (Recommended)

## Fixes

- Fix to Assert fixes, current firmware improvements and bug fixes.
- 

## **Online HDD/SSD Flash Component for Linux (x64) - MB001000GWCBC and MB002000GWCBD Drives**

Version: HPG6 (L) (Recommended)

## Important Note!

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for Hitachi Vantara and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

## Fixes

- Fixed flashing issue through SDR method
- 

## **Online HDD/SSD Flash Component for Linux (x64) - MB001000GFWFK and MB002000GFWFL Drives**

Version: HPG6 (L) (Recommended)

## Important Note!

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for Hitachi Vantara and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

## Fixes

- Fixed flashing issue through SDR method
- 

## **Online HDD/SSD Flash Component for Linux (x64) - MB001000GWJAN, MB002000GFWFA and MB004000GFWFB Drives**

Version: HPG1 (M) (Recommended)

## Important Note!

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
  - Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for Hitachi Vantara and Smart Update Manager.
  - Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D)
-

etc.

#### **Fixes**

- Fixed flashing issue through SDR method
- 

#### **Online HDD/SSD Flash Component for Linux (x64) - MB004000GWKGV Drive**

Version: HPG1 (L) (Recommended)

#### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for Hitachi Vantara and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

#### **Fixes**

- Fixed flashing issue through SDR method
- 

#### **Online HDD/SSD Flash Component for Linux (x64) - MB004000GWWQH, MB002000GWWQF and MB001000GWWQE Drives**

Version: HPG6 (D) (Recommended)

#### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for Hitachi Vantara and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

#### **Fixes**

- Fixed flashing issue through SDR method
- 

#### **Online HDD/SSD Flash Component for Linux (x64) - MB006000GWJRR and MB008000GWJRT Drives**

Version: HPG6 (E) (Recommended)

#### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for Hitachi Vantara and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

#### **Fixes**

- Fixed flashing issue through SDR method
-

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## Online HDD/SSD Flash Component for Linux (x64) - MB006000GWKGR Drive

Version: HPG1 (L) (Recommended)

### Important Note!

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for Hitachi Vantara and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

### Fixes

- Fixed flashing issue through SDR method

---

## Online HDD/SSD Flash Component for Linux (x64) - MB008000GWRTC Drive

Version: HPG1 (L) (Recommended)

### Important Note!

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for Hitachi Vantara and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

### Fixes

- Fixed flashing issue through SDR method

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## Online HDD/SSD Flash Component for Linux (x64) - MB008000GWWQU and MB006000GWWQT Drives

Version: HPG8 (D) (Recommended)

### Important Note!

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for Hitachi Vantara and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

### Fixes

- Fixed flashing issue through SDR method

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**Online HDD/SSD Flash Component for Linux (x64) - MB010000GWZGT, MB012000GWZGU, MB014000GWZGV and MB016000GWZHD Drives**

Version: HPG1 (F) (Recommended)

**Fixes**

- Fixed flashing issue through SDR method

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**Online HDD/SSD Flash Component for Linux (x64) - MB010000GYDKP, MB012000GYCJL, MB014000GYCJT, MB016000GYDKQ and MB018000GYDKR Drives**

Version: HPG2 (C) (Recommended)

**Fixes**

- Fixed flashing issue through SDR method

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**Online HDD/SSD Flash Component for Linux (x64) - MB012000GWDFE Drive**

Version: HPG5 (C) (Recommended)

**Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for Hitachi Vantara and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

**Fixes**

- Fixed flashing issue through SDR method

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**Online HDD/SSD Flash Component for Linux (x64) - MB012000GWTFE and MB014000GWTFE Drives**

Version: HPG8 (E) (Recommended)

**Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for Hitachi Vantara and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

**Fixes**

- Fixed flashing issue through SDR method

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**Online HDD/SSD Flash Component for Linux (x64) - MB012000GZYVT, MB014000GZYVU, MB016000GZYVV and MB018000GYCLL Drives**

Version: HPG4 (C) (Recommended)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for Hitachi Vantara and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

### **Fixes**

- Fixed flashing issue through SDR method

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### **Online HDD/SSD Flash Component for Linux (x64) - MB014000GWRTN, MB012000GWRTL and MB010000GWRTK**

#### **Drives**

Version: HPG2 (L) (Recommended)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for Hitachi Vantara and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

### **Fixes**

- Fixed flashing issue through SDR method

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### **Online HDD/SSD Flash Component for Linux (x64) - MB014000GWUDA Drive**

Version: HPG3 (C) (Recommended)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for Hitachi Vantara and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

### **Fixes**

- Fixed flashing issue through SDR method

---

### **Online HDD/SSD Flash Component for Linux (x64) - MB016000GWXKK Drive**

Version: HPG4 (D) (Recommended)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported

Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for Hitachi Vantara and Smart Update Manager.

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

#### **Fixes**

- Fixed flashing issue through SDR method
- 

### **Online HDD/SSD Flash Component for Linux (x64) - MK000480GWXFF, MK000960GWXFH, MK001920GWXFK and MK003840GWXFL Drives**

Version: HPG3 (D) (Recommended)

#### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for Hitachi Vantara and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

#### **Fixes**

- Fixed flashing issue through SDR method
- 

### **Online HDD/SSD Flash Component for Linux (x64) - MK000480GZXRA, MK000960GZXRB, MK001920GZXRC and MK003840GZXRV Drives**

Version: HPG1 (D) (Recommended)

#### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for Hitachi Vantara and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

#### **Fixes**

- Fixed flashing issue through SDR method
- 

### **Online HDD/SSD Flash Component for Linux (x64) - MM1000GFJTE Drive**

Version: HPG6 (E) (Recommended)

#### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for Hitachi Vantara and Smart Update Manager.

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

#### **Fixes**

- Fixed flashing issue through SDR method

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### **Online HDD/SSD Flash Component for Linux (x64) - MM2000GEFRA Drive**

Version: HPG9 (E) (Recommended)

#### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for Hitachi Vantara and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

#### **Fixes**

- Fixed flashing issue through SDR method

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### **Online HDD/SSD Flash Component for Linux (x64) - VK000240GWJPD, VK000480GWJPE, VK000960GWJPF, VK001920GWJPH, VK003840GWJPK, MK000240GWKVK, MK000480GWJPN, MK000960GWJPP and MK001920GWJPQ Drives**

Version: HPG5 (K) (Recommended)

#### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for Hitachi Vantara and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

#### **Fixes**

- Fixed flashing issue through SDR method

---

### **Online HDD/SSD Flash Component for Linux (x64) - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTTC, VK003840GWTTD, MK000480GWTTTH, MK000960GWTTK, MK001920GWTTTL and MK003840GWTTN Drives**

Version: HPG7 (D) (Recommended)

#### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for Hitachi Vantara and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D)

etc.

#### **Fixes**

- Fixed flashing issue through SDR method

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#### **Online HDD/SSD Flash Component for Linux (x64) - VK000240GZXRU, VK000480GZXRF, VK000960GZXQU, VK001920GZXQV, VK003840GZXRH and VK007680GZXRT Drives**

Version: HPG1 (D) (Recommended)

#### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for Hitachi Vantara and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

#### **Fixes**

- Fixed flashing issue through SDR method

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#### **Online HDD/SSD Flash Component for Linux (x64) - VK000480GWTHA, VK000960GWTHB, VK001920GWTHC and VK003840GWTHD Drives**

Version: HPG5 (B) (Recommended)

#### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for Hitachi Vantara and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

#### **Fixes**

- Fix contains code improvements for SMART reporting.

---

#### **Online HDD/SSD Flash Component for Linux (x64) - VK000480GZCNE, VK000960GZCNF, VK001920GZCNH and VK003840GZCNK Drives**

Version: HPG3 (D) (Recommended)

#### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for Hitachi Vantara and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D)

etc.

#### **Fixes**

- Fixed flashing issue through SDR method

---

#### **Online HDD/SSD Flash Component for VMware ESXi - MB010000GWZGT, MB012000GWZGU, MB014000GWZGV and MB016000GWZHD Drives**

Version: HPG1 (E) (Recommended)

#### **Important Note!**

- In AHCI configuration only offline flashing is supported.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

#### **Enhancements**

- Added support for ESXi 9.0.

---

#### **Online HDD/SSD Flash Component for VMware ESXi - MB010000GYDKP, MB012000GYCJL, MB014000GYCJT, MB016000GYDKQ and MB018000GYDKR Drives**

Version: HPG2 (C) (Recommended)

#### **Important Note!**

- In AHCI configuration only offline flashing is supported.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

#### **Enhancements**

- Added support for ESXi 9.0.

---

#### **Online HDD/SSD Flash Component for VMware ESXi - MB018000GXMTK and MB020000GXMTQ Drives**

Version: HPG3 (B) (Recommended)

#### **Important Note!**

- In AHCI configuration only offline flashing is supported.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

#### **Enhancements**

- Added support for ESXi 9.0.

---

#### **Online HDD/SSD Flash Component for VMware ESXi - MB001000GWCBC and MB002000GWCBD Drives**

Version: HPG6 (J) (Recommended)

#### **Important Note!**

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- In AHCI configuration only offline flashing is supported.

#### **Enhancements**

- Added support for ESXi 9.0.

---

## Online HDD/SSD Flash Component for VMware ESXi - MB001000GWFWK and MB002000GFWFL Drives

Version: HPG6 (K) (Recommended)

### Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- In AHCI configuration only offline flashing is supported.

### Enhancements

- Added support for ESXi 9.0.

---

## Online HDD/SSD Flash Component for VMware ESXi - MB001000GWJAN, MB002000GFWFA and MB004000GFWFB Drives

Version: HPG1 (K) (Recommended)

### Important Note!

- In AHCI configuration only offline flashing is supported.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

### Enhancements

- Added support for ESXi 9.0.

---

## Online HDD/SSD Flash Component for VMware ESXi - MB004000GWKGV Drive

Version: HPG1 (K) (Recommended)

### Important Note!

- In AHCI configuration only offline flashing is supported.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

### Enhancements

- Added support for ESXi 9.0.

---

## Online HDD/SSD Flash Component for VMware ESXi - MB004000GWWQH, MB002000GWWQF and MB001000GWWQE Drives

Version: HPG6 (C) (Recommended)

### Important Note!

- In AHCI configuration only offline flashing is supported.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

### Enhancements

- Added support for ESXi 9.0.

---

## Online HDD/SSD Flash Component for VMware ESXi - MB006000GWJRR and MB008000GWJRT Drives

Version: HPG6 (C) (Recommended)

### Important Note!

- In AHCI configuration only offline flashing is supported.

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

#### **Enhancements**

- Added support for ESXi 9.0.
- 

#### **Online HDD/SSD Flash Component for VMware ESXi - MB006000GWKGR Drive**

Version: HPG1 (K) (Recommended)

#### **Important Note!**

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- In AHCI configuration only offline flashing is supported.

#### **Enhancements**

- Added support for ESXi 9.0.
- 

#### **Online HDD/SSD Flash Component for VMware ESXi - MB008000GWRTC Drive**

Version: HPG1 (K) (Recommended)

#### **Important Note!**

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- In AHCI configuration only offline flashing is supported.

#### **Enhancements**

- Added support for ESXi 9.0.
- 

#### **Online HDD/SSD Flash Component for VMware ESXi - MB008000GWWQU and MB006000GWWQT Drives**

Version: HPG8 (C) (Recommended)

#### **Important Note!**

- In AHCI configuration only offline flashing is supported.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

#### **Enhancements**

- Added support for ESXi 9.0.
- 

#### **Online HDD/SSD Flash Component for VMware ESXi - MB012000GWDFE Drive**

Version: HPG5 (C) (Recommended)

#### **Important Note!**

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- In AHCI configuration only offline flashing is supported.

#### **Enhancements**

- Added support for ESXi 9.0.

---

## Online HDD/SSD Flash Component for VMware ESXi - MB012000GWTFE and MB014000GWTFE Drives

Version: HPG8 (C) (Recommended)

### Important Note!

- In AHCI configuration only offline flashing is supported.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

### Enhancements

- Added support for ESXi 9.0.

---

## Online HDD/SSD Flash Component for VMware ESXi - MB012000GZVVT, MB014000GZVU, MB016000GZVU and MB018000GYCLL Drives

Version: HPG4 (C) (Recommended)

### Important Note!

- In AHCI configuration only offline flashing is supported.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

### Enhancements

- Added support for ESXi 9.0.

---

## Online HDD/SSD Flash Component for VMware ESXi - MB014000GWRTN, MB012000GWRTL and MB010000GWRTK Drives

Version: HPG2 (J) (Recommended)

### Important Note!

- In AHCI configuration only offline flashing is supported.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

### Enhancements

- Added support for ESXi 9.0.

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## Online HDD/SSD Flash Component for VMware ESXi - MB014000GWUDA Drive

Version: HPG3 (C) (Recommended)

### Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- In AHCI configuration only offline flashing is supported.

### Enhancements

- Added support for ESXi 9.0.

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## Online HDD/SSD Flash Component for VMware ESXi - MB016000GWXKK Drive

Version: HPG4 (C) (Recommended)

### Important Note!

- In AHCI configuration only offline flashing is supported.

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

#### **Enhancements**

- Added support for ESXi 9.0.
- 

#### **Online HDD/SSD Flash Component for VMware ESXi - MK000480GWXFF, MK000960GWXFH, MK001920GWXFK and MK003840GWXFL Drives**

Version: HPG3 (C) (Recommended)

#### **Important Note!**

- In AHCI configuration only offline flashing is supported.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

#### **Enhancements**

- Added support for ESXi 9.0.
- 

#### **Online HDD/SSD Flash Component for VMware ESXi - MK000480GZXRA, MK000960GZXRB, MK001920GZXRC and MK003840GZXRV Drives.**

Version: HPG1 (C) (Recommended)

#### **Important Note!**

- In AHCI configuration only offline flashing is supported.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

#### **Enhancements**

- Added support for ESXi 9.0.
- 

#### **Online HDD/SSD Flash Component for VMware ESXi - MM1000GFJTE Drive**

Version: HPG6 (E) (Recommended)

#### **Important Note!**

- In AHCI configuration only offline flashing is supported.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

#### **Enhancements**

- Added support for ESXi 9.0.
- 

#### **Online HDD/SSD Flash Component for VMware ESXi - MM2000GEFRA Drive**

Version: HPG9 (E) (Recommended)

#### **Important Note!**

- In AHCI configuration only offline flashing is supported.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

#### **Enhancements**

- Added support for ESXi 9.0.
-

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**Online HDD/SSD Flash Component for VMware ESXi - VK000240GWJPD, VK000480GWJPE, VK000960GWJPF, VK001920GWJPH, VK003840GWJPK, MK000240GWKVK, MK000480GWJPN, MK000960GWJPP and MK001920GWJ PQ Drives**

Version: HPG5 (J) (Recommended)

**Important Note!**

- In AHCI configuration only offline flashing is supported.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

**Enhancements**

- Added support for ESXi 9.0.

---

**Online HDD/SSD Flash Component for VMware ESXi - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTC, VK003840GWTTD, MK000480GWTTH, MK000960GWTTK, MK001920GWTTL and MK003840GWTTN Drives**

Version: HPG7 (D) (Recommended)

**Important Note!**

- In AHCI configuration only offline flashing is supported.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

**Enhancements**

- Added support for ESXi 9.0.

---

**Online HDD/SSD Flash Component for VMware ESXi - VK000240GZXRU, VK000480GZXRF, VK000960GZXQU, VK001920GZXQV, VK003840GZXRH and VK007680GZXRT Drives.**

Version: HPG1 (C) (Recommended)

**Important Note!**

- In AHCI configuration only offline flashing is supported.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

**Enhancements**

- Added support for ESXi 9.0.

---

**Online HDD/SSD Flash Component for VMware ESXi - VK000480GWTHA, VK000960GWTHB, VK001920GWTHC and VK003840GWTHD Drives**

Version: HPG5 (C) (Recommended)

**Important Note!**

- In AHCI configuration only offline flashing is supported.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

**Enhancements**

- Added support for ESXi 9.0.

---

**Online HDD/SSD Flash Component for VMware ESXi - VK000480GZCNE, VK000960GZCNF, VK001920GZCNH and VK003840GZCNK Drives**

Version: HPG3 (C) (Recommended)

**Important Note!**

- In AHCI configuration only offline flashing is supported.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

**Enhancements**

- Added support for ESXi 9.0.

---

**Online HDD/SSD Flash Component for Windows (x64) - MB001000GWCBC and MB002000GWCBD Drives**

Version: HPG6 (I) (Recommended)

**Important Note!**

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

**Enhancements**

- Added support for Azure Stack HCI 23H2.

---

**Online HDD/SSD Flash Component for Windows (x64) - MB001000GFWFK and MB002000GFWFL Drives**

Version: HPG6 (J) (Recommended)

**Important Note!**

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

**Enhancements**

- Added support for Azure Stack HCI 23H2.

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**Online HDD/SSD Flash Component for Windows (x64) - MB001000GWJAN, MB002000GWFWA and MB004000GFWFB Drives**

Version: HPG1 (J) (Recommended)

**Important Note!**

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

**Enhancements**

- Added support for Azure Stack HCI 23H2.

---

**Online HDD/SSD Flash Component for Windows (x64) - MB004000GWKGV Drive**

Version: HPG1 (J) (Recommended)

**Important Note!**

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

### **Enhancements**

- Added support for Azure Stack HCI 23H2..
- 

### **Online HDD/SSD Flash Component for Windows (x64) - MB004000GWWQH, MB002000GWWQF and MB001000GWWQE Drives**

Version: HPG6 (C) (Recommended)

### **Important Note!**

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

### **Enhancements**

- Added support for Azure Stack HCI 23H2.
- 

### **Online HDD/SSD Flash Component for Windows (x64) - MB006000GWJRR and MB008000GWJRT Drives**

Version: HPG6 (D) (Recommended)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for Hitachi Vantara and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

### **Fixes**

- Fix the controller library compatible issue.

### **Enhancements**

- Added support for Azure Stack HCI 23H2
- 

### **Online HDD/SSD Flash Component for Windows (x64) - MB006000GWKGR Drive**

Version: HPG1 (J) (Recommended)

### **Important Note!**

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc

### **Enhancements**

- Added support for Azure Stack HCI 23H2.
- 

### **Online HDD/SSD Flash Component for Windows (x64) - MB008000GWRTC Drive**

Version: HPG1 (J) (Recommended)

### **Important Note!**

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

### Fixes

- Fix the controller library compatible issue.

### Enhancements

- Added support for Azure Stack HCI 23H2
- 

### **Online HDD/SSD Flash Component for Windows (x64) - MB008000GWWQU and MB006000GWWQT Drives**

Version: HPG8 (C) (Recommended)

### Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

### Enhancements

- Added support for Azure Stack HCI 23H2.
- 

### **Online HDD/SSD Flash Component for Windows (x64) - MB010000GWZGT, MB012000GWZGU, MB014000GWZGV and MB016000GWZHD Drives**

Version: HPG1 (E) (Recommended)

### Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

### Enhancements

- Added support for Azure Stack HCI 23H2.
- 

### **Online HDD/SSD Flash Component for Windows (x64) - MB010000GYDKP, MB012000GYCJL, MB014000GYCJT, MB016000GYDKQ and MB018000GYDKR Drives**

Version: HPG2 (C) (Recommended)

### Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

### Enhancements

- Added support for Azure Stack HCI 23H2.
- 

### **Online HDD/SSD Flash Component for Windows (x64) - MB012000GWDFE Drive**

Version: HPG5 (C) (Recommended)

### Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

### Enhancements

- Added support for Azure Stack HCI 23H2.
- 

### **Online HDD/SSD Flash Component for Windows (x64) - MB012000GWTFE and MB014000GWTFE Drives**

Version: HPG8 (D) (Recommended)

### **Important Note!**

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

### **Enhancements**

- Added support for Azure Stack HCI 23H2.
- 

### **Online HDD/SSD Flash Component for Windows (x64) - MB012000GZYVT, MB014000GZYVU, MB016000GZYVV and MB018000GYCLL Drives**

Version: HPG4 (C) (Recommended)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for Hitachi Vantara and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

### **Fixes**

- Fix the controller library compatible issue.

### **Enhancements**

- Added support for Azure Stack HCI 23H2.
- 

### **Online HDD/SSD Flash Component for Windows (x64) - MB014000GWRTN, MB012000GWRTL and MB010000GWRTK Drives**

Version: HPG2 (I) (Recommended)

### **Important Note!**

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

### **Enhancements**

- Added support for Azure Stack HCI 23H2.
- 

### **Online HDD/SSD Flash Component for Windows (x64) - MB014000GWUDA Drive**

Version: HPG3 (C) (Recommended)

### **Important Note!**

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

### **Fixes**

- Fix the controller library compatible issue.

### **Enhancements**

- Added support for Azure Stack HCI 23H2.
-

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## Online HDD/SSD Flash Component for Windows (x64) - MB016000GWXKK Drive

Version: HPG4 (C) (Recommended)

### Important Note!

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for Hitachi Vantara and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

### Fixes

- Fix the controller library compatible issue.

### Enhancements

- Added support for Azure Stack HCI 23H2

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## Online HDD/SSD Flash Component for Windows (x64) - MB018000GXMTK and MB020000GXMTQ Drives

Version: HPG3 (B) (Recommended)

### Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

### Enhancements

- Added support for Azure Stack HCI 23H2.

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## Online HDD/SSD Flash Component for Windows (x64) - MK000480GWXFF, MK000960GWXFH, MK001920GWXFK and MK003840GWXFL Drives

Version: HPG3 (C) (Recommended)

### Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

### Enhancements

- Added support for Azure Stack HCI 23H2.

---

## Online HDD/SSD Flash Component for Windows (x64) - MK000480GZXRA, MK000960GZXRB, MK001920GZXRC and MK003840GZXRV Drives

Version: HPG1 (C) (Recommended)

### Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

### Enhancements

- Added support for Azure Stack HCI 23H2.

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### Online HDD/SSD Flash Component for Windows (x64) - MM1000GFJTE Drive

Version: HPG6 (D) (Recommended)

#### **Important Note!**

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

#### **Enhancements**

- Added support for Azure Stack HCI 23H2.
- 

### Online HDD/SSD Flash Component for Windows (x64) - MM2000GEFRA Drive

Version: HPG9 (D) (Recommended)

#### **Important Note!**

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

#### **Enhancements**

- Added support for Azure Stack HCI 23H2.
- 

### Online HDD/SSD Flash Component for Windows (x64) - VK000240GWJPD, VK000480GWJPE, VK000960GWJPF, VK001920GWJPH, VK003840GWJPK, MK000240GWKVK, MK000480GWJPN, MK000960GWJPP and MK001920GWJPQ Drives

Version: HPG5 (H) (Recommended)

#### **Important Note!**

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

#### **Enhancements**

- Added support for Azure Stack HCI 23H2.
- 

### Online HDD/SSD Flash Component for Windows (x64) - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTTC, VK003840GWTTD, MK000480GWTTTH, MK000960GWTTK, MK001920GWTTL and MK003840GWTTN Drives

Version: HPG7 (D) (Recommended)

#### **Important Note!**

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

#### **Enhancements**

- Added support for Azure Stack HCI 23H2.
- 

### Online HDD/SSD Flash Component for Windows (x64) - VK000240GZXRU, VK000480GZXRF, VK000960GZXQU, VK001920GZXQV, VK003840GZXRH and VK007680GZXRT Drives

Version: HPG1 (C) (Recommended)

#### **Important Note!**

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
-

### Enhancements

- Added support for Azure Stack HCI 23H2.
- 

### **Online HDD/SSD Flash Component for Windows (x64) - VK000480GWTHA, VK000960GWTHB, VK001920GWTHC and VK003840GWTHD Drives**

Version: HPG5 (C) (Recommended)

### Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

### Enhancements

- Added support for Azure Stack HCI 23H2.
- 

### **Online HDD/SSD Flash Component for Windows (x64) - VK000480GZCNE, VK000960GZCNF, VK001920GZCNH and VK003840GZCNK Drives**

Version: HPG3 (C) (Recommended)

### Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

### Enhancements

- Added support for Azure Stack HCI 23H2.
- 

### **Universal Firmware Package for Drives - MB004000GWZVT**

Version: HPG3 (Recommended)

### Fixes

- This maintenance revision improves data integrity. The risk of not upgrading to this firmware is the increased possibility of data corruption in certain error and timing conditions.
- 

### **Universal Firmware Package for Drives - MB12000GYESP, MB16000GYEVF and MB20000GYEVH**

Version: HPG1 (Recommended)

### Fixes

- Fix FW assert and other regular fixes
- 

### **Universal Firmware Package for Drives - MB002000GYDNK and MB004000GYDPD**

Version: HPG2 (Recommended)

### Fixes

**1.Fixes the logic bug in the media cache cleaning abort handling that caused the drive to choose and execute the R/W command before the Request Sense to prevent assert.2. Adding other logging and FW enhancements.**

---

### **Universal Firmware Package for Drives - MB006000GWZVL and MB008000GWZVN**

Version: HPG3 (Recommended)

### Fixes

- This maintenance revision improves data integrity. The risk of not upgrading to this firmware is the increased

possibility of data corruption in certain error and timing conditions.

---

**Universal Firmware Package for Drives - MB006000GYDNL, MB008000GYDPE and MB010000GYDNN**

Version: HPG2 (Recommended)

**Fixes**

**1) Fixes the logic bug in the media cache cleaning abort handling that caused the drive to choose and execute the R/W command before the Request Sense to prevent assert.2) Adding other logging and FW enhancements.**

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**Universal Firmware Package for Drives - MB24000GYEVK**

Version: HPG1 (Recommended)

**Fixes**

- FW assert fix and other regular maintenance release.

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**Universal Firmware Package for Drives -**

**MK000480GYCNT ,MK000960GYCNP ,MK001920GYCNF ,MK003840GYCNQ ,VK000240GYCNU ,VK000480GYCNH ,VK000960GYCNK ,VK001920GYCNL ,VK003840GYCNN ,VK007680GYCNE ,VR000240GXPQT and VR000480GXPQU**

Version: HPG4 (Recommended)

**Fixes**

- This is a planned maintenance release covering bug fixes. This firmware includes updates to improve PLI circuit reliability.

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**Firmware Package - Smart Array P408i-p, P408e-p, P408i-a, P408i-c, E208i-p, E208e-p, E208i-c, E208i-a, P204i-c, P416ie-m and P816i-a SR and SR308i-o,SR308i-p controllers**

Version: 7.43 (Recommended)

**Fixes**

- Fixed an issue where a lockup occasionally occurs when RAID 0 Predictive Spare Rebuilding (PSR) starts.
- Fixed an issue where the fault LED remains lit during the rebuild process of a replaced SSD drive.
- Fixed an issue where the host was unable to retrieve new configuration updates after creating a logical drive on PF drives.
- Fixed an issue where the logical volume status was incorrectly reported as OK on a secured volume if a data drive was replaced with an Otherwise Owned SED drive before reboot.
- Fixed an issue where the surface scan period was not reset to default after factory reset.
- Fixed an issue where the predictive failure drive did not fail even after the Predictive Spare Rebuild (PSR) was completed.
- Fixed an issue where the Controller might have a potential lockup after a JBOD power cycle.
- Fixed an issue where the offline replacement of a failed drive during a spare rebuild led to the failure of the replacement drive.
- Fixed a lockup issue that could occur both during a transformation with an abrupt shutdown, and on subsequent bootup.
- Fixed an intermittent MCTP communication issue during AC power cycle tests on specific configurations.
- Fixed an MCTP communication issue in AMD Turin 2P configurations.
- Fixed a lockup issue that could occur when a timeout occurs with expander attached SATA drives.
- Fixed an issue with improper support checking for the secure erase command.
- Fixed issues for missing active dedicated hot spare member in HII logical drive information and failed drive

part of a logical drive in the HII disk utilities.

- Fixed an issue which threw wrong error code, 'InternalError' when creating an array on controller that is waiting on adapter password.
- Fixed an issue When server is powered on with no drives connected to Enclosure.

Observe incorrect controller information in iLO Storage tab & Redfish

- Fixed an issue that enclosures Link is missing under Storage URI in Redfish.
- Fixed an issue in which drive resource does not match with Chassis for empty bay.
- Fixed an issue in which incorrect severity warning of drive when sanitize erase operation is in progress.
- Fixed an issue where HealthRollup shows warning during normal state.
- Fixed an issue where CacheSummary.Status.Health shows incorrect during WriteCache degraded.
- Fixed an issue in which PLDM/RDE Read sometimes take longer than 6s during array deletion.

### **Enhancements**

- PLDM Base (Type 0) commands comply with v1.2.0 of the PLDM base specification (DSP0240).
- PLDM Platform Monitoring and Control (Type 2) commands comply with v1.3.0 of the PLDM Platform Monitoring and Control Specification (DSP0248).
- Long-running task support for volume creation/deletion using Redfish and storage resource RDE action operations.

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### **Firmware Package - Boot Controller NS204i-u, NS204i-d and Boot Controller NS204i-p, NS204i-d, NS204i-t, NS204i-r**

Version: 1.2.14.1018 (C) (Recommended)

### **Important Note!**

Downgrading NS204i firmware to version lower than 1018 will lead to MCTP failure. For HA800 G2 server users, the NS204i firmware has to be 1.0.14.1063 or later in order to enable PLDM firmware update functionality for the controller.

### **Prerequisites**

- iLO 6 version 1.10 or later is required for HA800 G3 servers.
- iLO 5 version 2.81 or later is required for HA800/HA800 G2 servers

### **Enhancements**

- Support new servers.

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### **Firmware Package - MR216i-a HA800 G2 Tri Mode Controller**

Version: 52.30.3-5917 (Recommended)

### **Important Note!**

- This firmware version to be used on MR216i-a HA800 G2 Controller.
- Please do not update MR controller FW/MRSA/StorCLI if systems installed both SR100i and MR controllers.

### **Prerequisites**

iLO5 version should be at least 2.98 is required for chassis&Fabric support.

### **Fixes**

- Fix a00143232en\_us: MR Controllers -
- Fix a00144054en\_us: MR Storage Controllers - Updating the SAS/SATA/NVMe Drive Firmware May Not Succeed When the System Boots to the VMware ESXi Operating System
- Fix a00142857en\_us: MegaRAID Storage Administrator (MRSA) - Unexpected Information Displays in the MRSA When Heavy I/Os Are Active

- Fix an issue that CM7 FIPS drives are not identified as SED capable drives. CM7 FIPSdrive Model Number: VO001920YXUHU,VO003840YXUHV,VO007680YXUJA,MO001600YXUJB, MO003200YXUJC, MO006400YXUJD, VV007680LYJKF,VV015360LYXMT, MV003200LYJKH, MV006400LYJJK.
- Fix an issue that foreign drives import with invalid security key with 5 attempts causing controller into infinite loop
- Fix an issue that controller may assert when there is MCTP traffic when PCI BAR update is in progress
- Fix an issue that Redfish Drive.CapableSpeedGbs shows as 22 instead of 22.5 for SAS4 drive
- Fix an issue that the number of logical drives created is less than the expected when creating multiple Logical Drive in the same command with ReuseTargetId option
- Fix an intermittent issue that pinned cache may not generate in multiple logical drive Config
- Fix a rare issue that offline drive firmware download timed out due to host taskmanagement but still generate download complete event
- Fix an issue that RAID5/50/6/60 logical drive performance may be lower when there is cache offload happened before server bootup
- Fix an issue that controller may fault and recovery with OCR (online controller reset) while running Patrol Read on NVMe drives
- Fix an issue that Maximum Write Same Length or Maximum Unmap Block Descriptor Count of NVMe JBOD drive may be overwritten and cause SCSI UNMAP or WRITE SAME command failed
- Fix a rare issue that UR (Unsupported Request) for PCIe Memory Read may occur when host configure PCIe BAR at run-time
- Fix an issue that SCSI UNMAP command using a parameter list length greater than 0 and less than 8 would fail with SCSI Sense key Illegal Request and Additional sense data of Invalid Field in Parameter List
- Fix a rare issue that controller may assert because PCI bar initialization timeouts waiting for boot message processing

## **Enhancements**

- DMTF PLDM Redfish Device Enablement enhancements: Add support for Redfish Encryption (POST & PATCH)
- POST Storage.SetEncryptionKey
- PATCH Storage[EncryptionMode]
- PATCH/POST Volume[Encrypted]
- Note: MR controller support SED only. Therefore, Volume[EncryptionTypes] is not writeable during POST (Create) or PATCH (Update). Correspondingly the following Annotations are not populated:
  - a. EncryptionTypes@Redfish.AllowableValues (Volume Schema)
  - b. @Redfish.WriteableProperties[EncryptionTypes] (Volume Schema)
  - c. EncryptionTypes@Redfish.OptionalOnCreate (Volume Capabilities)
  - d. EncryptionTypes@Redfish.AllowableValues (Volume Capabilities)
  - e. EncryptionTypes@Redfish.UpdatableAfterCreate (Volume Capabilities)
- POST Volume.ForceEnable
- POST Drive.RevertToOriginalFactoryState
- Note:
  - PATCH Volume[Encrypted] can be issued only with option 'true' on eligible volumes. PATCH Volume[Encrypted] with option 'false' will be failed because a secure volume cannot be changed to an unsecure volume in MR firmware.
  - During POST (Create) 'Encrypted' option is not allowed for creating a volume with RAIDType=None. This is because MR does not support creating a secure JBOD in one step. After creating the JBOD, PATCH Volume [Encrypted = true] can be issued to create a secure JBOD.
  - Whenever user requests to change to EKM, a reboot is a must to obtain the key via UEFI driver.
  - Add MR408i-p support

- Added support for UBM10 backplanes
- Support UBM backplane FW version display and FW update when UBM controller is in bootloader state if there is an interruption during FW update
- Support NVMe SSD for Unmap capable Logical Drive. Please note that SATA SSD is not supported for Unmap capable Logical Drive.
- NAND flash refresh improvements
- The algorithm that posts the event "System reset required" after a specified number of days has been removed. The refresh happens after the same specified time and the new events are populated as below:
  - Before starting the Nand flash refresh: "NAND refresh in progress:changing WB Logical Drives to WT"
  - After the completion of Nand flash refresh: "NAND refresh complete:changing WT virtual disks to WB"
- The above behaviors are applicable only to MR400 controllers and aren't applicable to MR200 controllers
- RAID1 Consistency Check Event String Change
- The Event String has been changed from "Consistency Check found inconsistent parity on LD <Ld Id> at strip <Strip Number>" to "Consistency Check found inconsistency on LD <Ld Id> at strip <Strip Number>".
- Support a new controller property, "Spin Down Drives At Shutdown", to control spindown of configured drives during shutdown
- Support for SCSI NVMe Translation Layer Specification version 1.14

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## Firmware Package - MR216i-p HA800 G2 Tri Mode Controller

Version: 52.30.3-5917 (Recommended)

### Important Note!

- This firmware version to be used on MR216i-p HA800 G2 Controller.
- Please do not update MR controller FW/MRSA/StorCLI if systems installed both SR100i and MR controllers.

### Prerequisites

iLO5 version should be at least 2.98 is required for chassis&Fabric support.

### Fixes

- Fix a00143232en\_us: MR Controllers -
- Fix a00144054en\_us: MR Storage Controllers - Updating the SAS/SATA/NVMe Drive Firmware May Not Succeed When the System Boots to the VMware ESXi Operating System
- Fix a00142857en\_us: MegaRAID Storage Administrator (MRSA) - Unexpected Information Displays in the MRSA When Heavy I/Os Are Active
- Fix an issue that CM7 FIPS drives are not identified as SED capable drives. CM7 FIPSdrive Model Number: VO001920YXUHU,VO003840YXUHV,VO007680YXUJA,MO001600YXUJB, MO003200YXUJC, MO006400YXUJD, VV007680LYJKE,VV015360LYXMT, MV003200LYJKH, MV006400LYJJK.
  - Fix an issue that foreign drives import with invalid security key with 5 attempts causing controller into infinite loop
  - Fix an issue that controller may assert when there is MCTP traffic when PCI BAR update is in progress
  - Fix an issue that Redfish Drive.CapableSpeedGbs shows as 22 instead of 22.5 for SAS4 drive
  - Fix an issue that the number of logical drives created is less than the expected when creating multiple Logical Drive in the same command with ReuseTargetId option
  - Fix an intermittent issue that pinned cache may not generate in multiple logical drive Config
  - Fix a rare issue that offline drive firmware download timed out due to host taskmanagement but still generate download complete event
  - Fix an issue that RAID5/50/6/60 logical drive performance may be lower when there is cache offload happened before server bootup

- Fix an issue that controller may fault and recovery with OCR (online controller reset) while running Patrol Read on NVMe drives
- Fix an issue that Maximum Write Same Length or Maximum Unmap Block Descriptor Count of NVMe JBOD drive may be overwritten and cause SCSI UNMAP or WRITE SAME command failed
- Fix a rare issue that UR (Unsupported Request) for PCIe Memory Read may occur when host configure PCIe BAR at run-time
- Fix an issue that SCSI UNMAP command using a parameter list length greater than 0 and less than 8 would fail with SCSI Sense key Illegal Request and Additional sense data of Invalid Field in Parameter List
- Fix a rare issue that controller may assert because PCI bar initialization timeouts waiting for boot message processing

## Enhancements

- DMTF PLDM Redfish Device Enablement enhancements: Add support for Redfish Encryption (POST & PATCH)
- POST Storage.SetEncryptionKey
- PATCH Storage[EncryptionMode]
- PATCH/POST Volume[Encrypted]
- Note: MR controller support SED only. Therefore, Volume[EncryptionTypes] is not writeable during POST (Create) or PATCH (Update). Correspondingly the following Annotations are not populated:
  - EncryptionTypes@Redfish.AllowableValues (Volume Schema)
  - @Redfish.WriteableProperties[EncryptionTypes] (Volume Schema)
  - EncryptionTypes@Redfish.OptionalOnCreate (Volume Capabilities)
  - EncryptionTypes@Redfish.AllowableValues (Volume Capabilities)
  - EncryptionTypes@Redfish.UpdatableAfterCreate (Volume Capabilities)
- POST Volume.ForceEnable
- POST Drive.RevertToOriginalFactoryState
- Note:
  - PATCH Volume[Encrypted] can be issued only with option 'true' on eligible volumes. PATCH Volume[Encrypted] with option 'false' will be failed because a secure volume cannot be changed to an unsecure volume in MR firmware.
  - During POST (Create) 'Encrypted' option is not allowed for creating a volume with RAIDType=None. This is because MR does not support creating a secure JBOD in one step. After creating the JBOD, PATCH Volume [Encrypted = true] can be issued to create a secure JBOD.
  - Whenever user requests to change to EKM, a reboot is a must to obtain the key via UEFI driver.
- Add MR408i-p support
- Added support for UBM10 backplanes
- Support UBM backplane FW version display and FW update when UBM controller is in bootloader state if there is an interruption during FW update
- Support NVMe SSD for Unmap capable Logical Drive. Please note that SATA SSD is not supported for Unmap capable Logical Drive.
- NAND flash refresh improvements
  - The algorithm that posts the event "System reset required" after a specified number of days has been removed. The refresh happens after the same specified time and the new events are populated as below:
    - Before starting the Nand flash refresh: "NAND refresh in progress:changing WB Logical Drives to WT"
    - After the completion of Nand flash refresh: "NAND refresh complete:changing WT virtual disks to WB"
  - The above behaviors are applicable only to MR400 controllers and are not applicable to MR200 controllers
- RAID1 Consistency Check Event String Change
  - The Event String has been changed from "Consistency Check found inconsistent parity on LD <Ld Id> at strip <Strip Number>" to "Consistency Check found inconsistency on LD <Ld Id> at strip <Strip Number>".

- Support a new controller property, "Spin Down Drives At Shutdown", to control spindown of configured drives during shutdown
- Support for SCSI NVMe Translation Layer Specification version 1.14

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## Firmware Package - MR416i-a HA800 G2 Tri Mode Controller

Version: 52.30.3-5917 (Recommended)

### Important Note!

- This firmware version to be used on MR416i-a HA800 G2 Controller.
- Please do not update MR controller FW/MRSA/StorCLI if systems installed both SR100i and MR controllers.

### Prerequisites

iLO5 version should be at least 2.98 is required for chassis&Fabric support.

### Fixes

- Fix a00143232en\_us: MR Controllers -
- Fix a00144054en\_us: MR Storage Controllers - Updating the SAS/SATA/NVMe Drive Firmware May Not Succeed When the System Boots to the VMware ESXi Operating System
- Fix a00142857en\_us: MegaRAID Storage Administrator (MRSA) - Unexpected Information Displays in the MRSA When Heavy I/Os Are Active
- Fix an issue that CM7 FIPS drives are not identified as SED capable drives. CM7 FIPSdrive Model Number: VO001920YXUHU,VO003840YXUHV,VO007680YXUJA,MO001600YXUJB, MO003200YXUJC, MO006400YXUJD, VV007680LYJKE,VV015360LYXMT, MV003200LYJKH, MV006400LYJJK.
- Fix an issue that foreign drives import with invalid security key with 5 attempts causing controller into infinite loop
- Fix an issue that controller may assert when there is MCTP traffic when PCI BAR update is in progress
- Fix an issue that Redfish Drive.CapableSpeedGbs shows as 22 instead of 22.5 for SAS4 drive
- Fix an issue that the number of logical drives created is less than the expected when creating multiple Logical Drive in the same command with ReuseTargetId option
- Fix an intermittent issue that pinned cache may not generate in multiple logical drive Config
- Fix a rare issue that offline drive firmware download timed out due to host taskmanagement but still generate download complete event
- Fix an issue that RAID5/50/6/60 logical drive performance may be lower when there is cache offload happened before server bootup
- Fix an issue that controller may fault and recovery with OCR (online controller reset) while running Patrol Read on NVMe drives
- Fix an issue that Maximum Write Same Length or Maximum Unmap Block Descriptor Count of NVMe JBOD drive may be overwritten and cause SCSI UNMAP or WRITE SAME command failed
- Fix a rare issue that UR (Unsupported Request) for PCIe Memory Read may occur when host configure PCIe BAR at run-time
- Fix an issue that SCSI UNMAP command using a parameter list length greater than 0 and less than 8 would fail with SCSI Sense key Illegal Request and Additional sense data of Invalid Field in Parameter List
- Fix a rare issue that controller may assert because PCI bar initialization timeouts waiting for boot message processing

### Enhancements

- DMTF PLDM Redfish Device Enablement enhancements: Add support for Redfish Encryption (POST & PATCH)
- POST Storage.SetEncryptionKey
- PATCH Storage[EncryptionMode]

- PATCH/POST Volume[Encrypted]
- Note: MR controller support SED only. Therefore, Volume[EncryptionTypes] is not writeable during POST (Create) or PATCH (Update). Correspondingly the following Annotations are not populated:
  - a. EncryptionTypes@Redfish.AllowableValues (Volume Schema)
  - b. @Redfish.WriteableProperties[EncryptionTypes] (Volume Schema)
  - c. EncryptionTypes@Redfish.OptionalOnCreate (Volume Capabilities)
  - d. EncryptionTypes@Redfish.AllowableValues (Volume Capabilities)
  - e. EncryptionTypes@Redfish.UpdatableAfterCreate (Volume Capabilities)
- POST Volume.ForceEnable
- POST Drive.RevertToOriginalFactoryState
- Note:
  - PATCH Volume[Encrypted] can be issued only with option 'true' on eligible volumes. PATCH Volume[Encrypted] with option 'false' will be failed because a secure volume cannot be changed to an unsecure volume in MR firmware.
  - During POST (Create) 'Encrypted' option is not allowed for creating a volume with RAIDType=None. This is because MR does not support creating a secure JBOD in one step. After creating the JBOD, PATCH Volume [Encrypted = true] can be issued to create a secure JBOD.
  - Whenever user requests to change to EKM, a reboot is a must to obtain the key via UEFI driver.
  - Add MR408i-p support
  - Added support for UBM10 backplanes
  - Support UBM backplane FW version display and FW update when UBM controller is in bootloader state if there is an interruption during FW update
  - Support NVMe SSD for Unmap capable Logical Drive. Please note that SATA SSD is not supported for Unmap capable Logical Drive.
  - NAND flash refresh improvements
    - The algorithm that posts the event "System reset required" after a specified number of days has been removed. The refresh happens after the same specified time and the new events are populated as below:
      - Before starting the Nand flash refresh: "NAND refresh in progress:changing WB Logical Drives to WT"
      - After the completion of Nand flash refresh: "NAND refresh complete:changing WT virtual disks to WB"
    - The above behaviors are applicable only to MR400 controllers and are not applicable to MR200 controllers
    - RAID1 Consistency Check Event String Change
      - The Event String has been changed from "Consistency Check found inconsistent parity on LD <Ld Id> at strip <Strip Number>" to "Consistency Check found inconsistency on LD <Ld Id> at strip <Strip Number>".
    - Support a new controller property, "Spin Down Drives At Shutdown", to control spindown of configured drives during shutdown
    - Support for SCSI NVMe Translation Layer Specification version 1.14

## Firmware Package - MR416i-p HA800 G2 Tri Mode Controller

Version: 52.30.3-5917 (Recommended)

### Important Note!

- This firmware version to be used on MR416i-p HA800 G2 Controller.
- Please do not update MR controller FW/MRSA/StorCLI if systems installed both SR100i and MR controllers.

### Prerequisites

iLO5 version should be at least 2.98 is required for chassis&Fabric support.

### Fixes

- Fix a00143232en\_us: MR Controllers -

- Fix a00144054en\_us: MR Storage Controllers - Updating the SAS/SATA/NVMe Drive Firmware May Not Succeed When the System Boots to the VMware ESXi Operating System
- Fix a00142857en\_us: MegaRAID Storage Administrator (MRSA) - Unexpected Information Displays in the MRSA When Heavy I/Os Are Active
- Fix an issue that CM7 FIPS drives are not identified as SED capable drives. CM7 FIPSdrive Model Number: VO001920YXUHU,VO003840YXUHV,VO007680YXUJA,MO001600YXUJB, MO003200YXUJC, MO006400YXUJD, VV007680LYJKF,VV015360LYXMT, MV003200LYJKH, MV006400LYJJK.
  - Fix an issue that foreign drives import with invalid security key with 5 attempts causing controller into infinite loop
  - Fix an issue that controller may assert when there is MCTP traffic when PCI BAR update is in progress
  - Fix an issue that Redfish Drive.CapableSpeedGbs shows as 22 instead of 22.5 for SAS4 drive
  - Fix an issue that the number of logical drives created is less than the expected when creating multiple Logical Drive in the same command with ReuseTargetId option
  - Fix an intermittent issue that pinned cache may not generate in multiple logical drive Config
  - Fix a rare issue that offline drive firmware download timed out due to host taskmanagement but still generate download complete event
  - Fix an issue that RAID5/50/6/60 logical drive performance may be lower when there is cache offload happened before server bootup
  - Fix an issue that controller may fault and recovery with OCR (online controller reset) while running Patrol Read on NVMe drives
  - Fix an issue that Maximum Write Same Length or Maximum Unmap Block Descriptor Count of NVMe JBOD drive may be overwritten and cause SCSI UNMAP or WRITE SAME command failed
  - Fix a rare issue that UR (Unsupported Request) for PCIe Memory Read may occur when host configure PCIe BAR at run-time
  - Fix an issue that SCSI UNMAP command using a parameter list length greater than 0 and less than 8 would fail with SCSI Sense key Illegal Request and Additional sense data of Invalid Field in Parameter List
  - Fix a rare issue that controller may assert because PCI bar initialization timeouts waiting for boot message processing

## **Enhancements**

- DMTF PLDM Redfish Device Enablement enhancements: Add support for Redfish Encryption (POST & PATCH)
- POST Storage.SetEncryptionKey
- PATCH Storage[EncryptionMode]
- PATCH/POST Volume[Encrypted]
- Note: MR controller support SED only. Therefore, Volume[EncryptionTypes] is not writeable during POST (Create) or PATCH (Update). Correspondingly the following Annotations are not populated:
  - a. EncryptionTypes@Redfish.AllowableValues (Volume Schema)
  - b. @Redfish.WriteableProperties[EncryptionTypes] (Volume Schema)
  - c. EncryptionTypes@Redfish.OptionalOnCreate (Volume Capabilities)
  - d. EncryptionTypes@Redfish.AllowableValues (Volume Capabilities)
  - e. EncryptionTypes@Redfish.UpdatableAfterCreate (Volume Capabilities)
  - POST Volume.ForceEnable
  - POST Drive.RevertToOriginalFactoryState
  - Note:
    - PATCH Volume[Encrypted] can be issued only with option 'true' on eligible volumes. PATCH Volume[Encrypted] with option 'false' will be failed because a secure volume cannot be changed to an unsecure volume in MR firmware.
    - During POST (Create) 'Encrypted' option is not allowed for creating a volume with RAIDType=None. This is

because MR does not support creating a secure JBOD in one step. After creating the JBOD, PATCH Volume [Encrypted = true] can be issued to create a secure JBOD.

- Whenever user requests to change to EKM, a reboot is a must to obtain the key via UEFI driver.
- Add MR408i-p support
- Added support for UBM10 backplanes
- Support UBM backplane FW version display and FW update when UBM controller is in bootloader state if there is an interruption during FW update
- Support NVMe SSD for Unmap capable Logical Drive. Please note that SATA SSD is not supported for Unmap capable Logical Drive.
- NAND flash refresh improvements
- The algorithm that posts the event "System reset required" after a specified number of days has been removed. The refresh happens after the same specified time and the new events are populated as below:
- Before starting the Nand flash refresh: "NAND refresh in progress:changing WB Logical Drives to WT"
- After the completion of Nand flash refresh: "NAND refresh complete:changing WT virtual disks to WB"
- The above behaviors are applicable only to MR400 controllers and aren't applicable to MR200 controllers
- RAID1 Consistency Check Event String Change
- The Event String has been changed from "Consistency Check found inconsistent parity on LD <Ld Id> at strip <Strip Number>" to "Consistency Check found inconsistency on LD <Ld Id> at strip <Strip Number>".
- Support a new controller property, "Spin Down Drives At Shutdown", to control spindown of configured drives during shutdown
- Support for SCSI NVMe Translation Layer Specification version 1.14

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## Firmware Package - SR932i-p HA800 G2 /SR416i-a HA800 G2/SR932i-p /SR416ie-m Controllers

Version: 03.01.33.044 (Recommended)

### Fixes

- Fixed an issue where a lockup occasionally occurs when RAID 0 Predictive Spare Rebuilding (PSR) starts.
- Fixed an issue where the fault LED remains lit during the rebuild process of a replaced SSD drive.
- Fixed an issue where the host was unable to retrieve new configuration updates after creating a logical drive on PF drives or slow drives.
- Fixed an issue where the logical volume status was incorrectly reported as OK on a secured volume if a data drive was replaced with an Otherwise Owned SED drive before reboot.
- Fixed an issue where the surface scan period was not reset to default after factory reset.
- Fixed an issue where the predictive failure drive did not fail even after the Predictive Spare Rebuild (PSR) was completed.
- Fixed an issue where the Controller might have a potential lockup after a JBOD power cycle.
- Fixed an issue where the offline replacement of a failed drive during a spare rebuild led to the failure of the replacement drive.
- Fixed a possible lockup that could occur both during a transformation with an abrupt shutdown, and on subsequent bootup.
- Fixed a potential issue where a good drive could be incorrectly marked as a predictive failure drive.
- Fixed a lockup issue that could occur during I/O to a degraded volume using Smart Path.
- Fixed a drive firmware update failure due to incorrect handling of sense data for specific SATA drives.
- Fixed a Controller boot failure when inserted in PCIe Gen 6 systems.
- Fixed issues for missing active dedicated hot spare member in HII logical drive information and failed drive part of a logical drive in the HII disk utilities.
- Fixed an issue which threw wrong error code, 'InternalError' when creating an array on controller that is

waiting on adapter password.

- Fixed an issue When server is powered on with no drives connected to Enclosure.

Observe incorrect controller information in iLO Storage tab & Redfish

- Fixed an issue that enclosures Link is missing under Storage URI in Redfish.
- Fixed an issue in which drive resource does not match with Chassis for empty bay.
- Fixed an issue in which incorrect severity warning of drive when sanitize erase operation is in progress.
- Fixed an issue where HealthRollup shows warning during normal state.
- Fixed an issue where CacheSummary.Status.Health shows incorrect during WriteCache degraded.
- Fixed an issue in which PLDM/RDE Read sometimes take longer than 6s during array deletion.

### **Enhancements**

- PLDM Base (Type 0) commands comply with v1.2.0 of the PLDM base specification (DSP0240).
- PLDM Platform Monitoring and Control (Type 2) commands comply with v1.3.0 of the PLDM Platform Monitoring and Control Specification (DSP0248).
- Long-running task support for volume creation/deletion using Redfish and storage resource RDE action operations.

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## **Online ROM Flash Component for VMware ESXi - 12Gb/s SAS Expander Firmware Smart Array Controllers and HBA Controllers**

Version: 5.15 (C) (Recommended)

### **Important Note!**

- Do NOT downgrade FW to previous version if your current expander is 5.10; please upgrade to 5.15 immediately.

### **Enhancements**

- Added ESXi9.0 support.

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## **Online ROM Flash Component for VMware ESXi - Smart Array P408i-p, P408e-p, P408i-a, E208i-p, E208e-p, E208i-a, P816i-a SR Controllers**

Version: 7.43 (Recommended)

### **Fixes**

- Fixed an issue where a lockup occasionally occurs when RAID 0 Predictive Spare Rebuilding (PSR) starts.
- Fixed an issue where the fault LED remains lit during the rebuild process of a replaced SSD drive.
- Fixed an issue where the host was unable to retrieve new configuration updates after creating a logical drive on PF drives.
- Fixed an issue where the logical volume status was incorrectly reported as OK on a secured volume if a data drive was replaced with an Otherwise Owned SED drive before reboot.
- Fixed an issue where the surface scan period was not reset to default after factory reset.
- Fixed an issue where the predictive failure drive did not fail even after the Predictive Spare Rebuild (PSR) was completed.
- Fixed an issue where the Controller might have a potential lockup after a JBOD power cycle.
- Fixed an issue where the offline replacement of a failed drive during a spare rebuild led to the failure of the replacement drive.
- Fixed a lockup issue that could occur both during a transformation with an abrupt shutdown, and on subsequent bootup.
- Fixed an intermittent MCTP communication issue during AC power cycle tests on specific configurations.

- Fixed an MCTP communication issue in AMD Turin 2P configurations.
- Fixed a lockup issue that could occur when a timeout occurs with expander attached SATA drives.
- Fixed an issue with improper support checking for the secure erase command.
- Fixed issues for missing active dedicated hot spare member in HII logical drive information and failed drive part of a logical drive in the HII disk utilities.
- Fixed an issue which threw wrong error code, 'InternalError' when creating an array on controller that is waiting on adapter password.
- Fixed an issue When server is powered on with no drives connected to Enclosure.

Observe incorrect controller information in iLO Storage tab & Redfish

- Fixed an issue that enclosures Link is missing under Storage URI in Redfish.
- Fixed an issue in which drive resource does not match with Chassis for empty bay.
- Fixed an issue in which incorrect severity warning of drive when sanitize erase operation is in progress.
- Fixed an issue where HealthRollup shows warning during normal state.
- Fixed an issue where CacheSummary.Status.Health shows incorrect during WriteCache degraded.
- Fixed an issue in which PLDM/RDE Read sometimes take longer than 6s during array deletion.

### **Enhancements**

- PLDM Base (Type 0) commands comply with v1.2.0 of the PLDM base specification (DSP0240).
- PLDM Platform Monitoring and Control (Type 2) commands comply with v1.3.0 of the PLDM Platform Monitoring and Control Specification (DSP0248).
- Long-running task support for volume creation/deletion using Redfish and storage resource RDE action operations.

## **Online ROM Flash Component for Windows (x64) - 12Gb/s SAS Expander Firmware Smart Array Controllers and HBA Controllers**

Version: 5.15 (D) (Recommended)

### **Important Note!**

- Do NOT downgrade FW to previous version if your current expander is 5.10; please upgrade to 5.15 immediately.

### **Enhancements**

Support Azure Stack HCI 23H2.

## **Firmware Flash for Emulex Fibre Channel Host Bus Adapters for Linux (x64)**

Version: 2025.03.01 (Recommended)

### **Important Note!**

Release notes:Broadcom Release notes This Firmware package contains following firmware versions:

Adapter	Speed	Universal Boot Image	Firmware	UEFI	Boot Bios
SN1200E 16Gb Dual Port Fibre Channel Host Bus Adapter	16Gb	14.4.473.14	14.4.473.14	14.4.473.8	14.4.469.0
SN1600E 32Gb Dual Port Fibre Channel Host Bus Adapter	32Gb	14.4.473.14	14.4.473.14	14.4.473.8	14.4.469.0
SN1600E 32Gb Single Port Fibre Channel Host Bus Adapter	32Gb	14.4.473.14	14.4.473.14	14.4.473.8	14.4.469.0
SN1610E 32Gb Dual Port Fibre	32Gb	14.4.473.14	14.4.473.14	14.4.473.8	14.4.469.0

Channel Host Bus Adapter					
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### **Enhancements**

This Firmware package contains following firmware versions:

Adapter	Speed	Universal Boot Image	Firmware	UEFI	Boot Bios
SN1200E 16Gb Dual Port Fibre Channel Host Bus Adapter	16Gb	14.4.473.14	14.4.473.14	14.4.473.8	14.4.469.0
SN1600E 32Gb Dual Port Fibre Channel Host Bus Adapter	32Gb	14.4.473.14	14.4.473.14	14.4.473.8	14.4.469.0
SN1600E 32Gb Single Port Fibre Channel Host Bus Adapter	32Gb	14.4.473.14	14.4.473.14	14.4.473.8	14.4.469.0
SN1610E 32Gb Dual Port Fibre Channel Host Bus Adapter	32Gb	14.4.473.14	14.4.473.14	14.4.473.8	14.4.469.0

### **Supported Devices and Features**

- SN1200E 16Gb Dual Port Fibre Channel Host Bus Adapter
- SN1600E 32Gb Dual Port Fibre Channel Host Bus Adapter
- SN1600E 32Gb Single Port Fibre Channel Host Bus Adapter
- SN1610E 32Gb Dual port Fibre Channel Host Bus Adapter

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## **Firmware Flash for Emulex Fibre Channel Host Bus Adapters for Microsoft Windows Server 2016/2019/2022/2025 x64**

Version: 2025.03.01 (Recommended)

### **Important Note!**

Release notes:Broadcom Release notes This Firmware package contains following firmware versions:

Adapter	Speed	Universal Boot Image	Firmware	UEFI	Boot Bios
SN1200E 16Gb Dual Port Fibre Channel Host Bus Adapter	16Gb	14.4.473.14	14.4.473.14	14.4.473.8	14.4.469.0
SN1600E 32Gb Dual Port Fibre Channel Host Bus Adapter	32Gb	14.4.473.14	14.4.473.14	14.4.473.8	14.4.469.0
SN1600E 32Gb Single Port Fibre Channel Host Bus Adapter	32Gb	14.4.473.14	14.4.473.14	14.4.473.8	14.4.469.0
SN1610E 32Gb Dual Port Fibre Channel Host Bus Adapter	32Gb	14.4.473.14	14.4.473.14	14.4.473.8	14.4.469.0

### **Enhancements**

This Firmware package contains following firmware versions:

Adapter	Speed	Universal Boot Image	Firmware	UEFI	Boot Bios
SN1200E 16Gb Dual Port Fibre Channel Host Bus Adapter	16Gb	14.4.473.14	14.4.473.14	14.4.473.8	14.4.469.0
SN1600E 32Gb Dual Port Fibre Channel Host Bus Adapter	32Gb	14.4.473.14	14.4.473.14	14.4.473.8	14.4.469.0
SN1600E 32Gb Single Port Fibre Channel Host Bus Adapter	32Gb	14.4.473.14	14.4.473.14	14.4.473.8	14.4.469.0
SN1610E 32Gb Dual Port Fibre Channel Host Bus Adapter	32Gb	14.4.473.14	14.4.473.14	14.4.473.8	14.4.469.0

### Supported Devices and Features

- SN1200E 16Gb Dual Port Fibre Channel Host Bus Adapter
- SN1600E 32Gb Dual Port Fibre Channel Host Bus Adapter
- SN1600E 32Gb Single Port Fibre Channel Host Bus Adapter
- SN1610E 32Gb Dual port Fibre Channel Host Bus Adapter

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### **Firmware Flash for Emulex Fibre Channel Host Bus Adapters for VMware vSphere 8.0**

Version: 2025.03.01 (Recommended)

### Important Note!

Release notes:Broadcom Release notes This Firmware package contains following firmware versions:

Adapter	Speed	Universal Boot Image	Firmware	UEFI	Boot Bios
SN1200E 16Gb Dual Port Fibre Channel Host Bus Adapter	16Gb	14.4.473.14	14.4.473.14	14.4.473.8	14.4.469.0
SN1600E 32Gb Dual Port Fibre Channel Host Bus Adapter	32Gb	14.4.473.14	14.4.473.14	14.4.473.8	14.4.469.0
SN1600E 32Gb Single Port Fibre Channel Host Bus Adapter	32Gb	14.4.473.14	14.4.473.14	14.4.473.8	14.4.469.0
SN1610E 32Gb Dual Port Fibre Channel Host Bus Adapter	32Gb	14.4.473.14	14.4.473.14	14.4.473.8	14.4.469.0

### Enhancements

This Firmware package contains following firmware versions:

Adapter	Speed	Universal Boot Image	Firmware	UEFI	Boot Bios
SN1200E 16Gb Dual Port Fibre Channel Host Bus Adapter	16Gb	14.4.473.14	14.4.473.14	14.4.473.8	14.4.469.0
SN1600E 32Gb Dual Port Fibre Channel Host Bus Adapter	32Gb	14.4.473.14	14.4.473.14	14.4.473.8	14.4.469.0
SN1600E 32Gb Single Port Fibre Channel Host Bus Adapter	32Gb	14.4.473.14	14.4.473.14	14.4.473.8	14.4.469.0
SN1610E 32Gb Dual Port Fibre Channel Host Bus Adapter	32Gb	14.4.473.14	14.4.473.14	14.4.473.8	14.4.469.0

### Supported Devices and Features

- SN1200E 16Gb Dual Port Fibre Channel Host Bus Adapter
- SN1600E 32Gb Dual Port Fibre Channel Host Bus Adapter
- SN1600E 32Gb Single Port Fibre Channel Host Bus Adapter
- SN1610E 32Gb Dual port Fibre Channel Host Bus Adapter

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### **Firmware Flash for Emulex Fibre Channel Host Bus Adapters for VMware vSphere 9.0**

Version: 2025.03.01 (Recommended)

### Important Note!

Release notes:Broadcom Release notes This Firmware package contains following firmware versions:

Adapter	Speed	Universal Boot Image	Firmware	UEFI	Boot Bios
SN1200E 16Gb Dual Port Fibre	16Gb	14.4.473.14	14.4.473.14	14.4.473.8	14.4.469.0

Channel Host Bus Adapter					
SN1600E 32Gb Dual Port Fibre Channel Host Bus Adapter	32Gb	14.4.473.14	14.4.473.14	14.4.473.8	14.4.469.0
SN1600E 32Gb Single Port Fibre Channel Host Bus Adapter	32Gb	14.4.473.14	14.4.473.14	14.4.473.8	14.4.469.0
SN1610E 32Gb Dual Port Fibre Channel Host Bus Adapter	32Gb	14.4.473.14	14.4.473.14	14.4.473.8	14.4.469.0

This Firmware package contains following firmware versions:

Adapter	Speed	Universal Boot Image	Firmware	UEFI	Boot Bios
SN1200E 16Gb Dual Port Fibre Channel Host Bus Adapter	16Gb	14.4.473.14	14.4.473.14	14.4.473.8	14.4.469.0
SN1600E 32Gb Dual Port Fibre Channel Host Bus Adapter	32Gb	14.4.473.14	14.4.473.14	14.4.473.8	14.4.469.0
SN1600E 32Gb Single Port Fibre Channel Host Bus Adapter	32Gb	14.4.473.14	14.4.473.14	14.4.473.8	14.4.469.0
SN1610E 32Gb Dual Port Fibre Channel Host Bus Adapter	32Gb	14.4.473.14	14.4.473.14	14.4.473.8	14.4.469.0

### **Supported Devices and Features**

- SN1200E 16Gb Dual Port Fibre Channel Host Bus Adapter
- SN1600E 32Gb Dual Port Fibre Channel Host Bus Adapter
- SN1600E 32Gb Single Port Fibre Channel Host Bus Adapter
- SN1610E 32Gb Dual port Fibre Channel Host Bus Adapter

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### **Firmware Flash for QLogic Fibre Channel Host Bus Adapters - Linux (x86\_64)**

Version: 2025.03.01 (Recommended)

### **Important Note!**

Release Notes: QLogic Adapters Release Notes This Firmware package contains following firmware versions:

Adapter	Speed	MBI	Firmware	UEFI	Boot Bios
SN1100Q 16GB Dual Port PCIe Fibre Channel Host Bus Adapter	16Gb	02.04.09	9.15.05	7.28	3.68
SN1600Q 32Gb Single Port Fibre Channel Host Bus Adapter	32Gb	02.04.09	9.15.05	7.28	3.68
SN1600Q 32Gb Dual Port Fibre Channel Host Bus Adapter	32Gb	02.04.09	9.15.05	7.28	3.68
SN1610Q 32Gb Dual Port Fibre Channel Host Bus Adapter	32Gb	02.10.08	09.15.05	7.39	0.0

### **Prerequisites**

The target environment must have the libHBAAPI Package installed prior to the installation of the firmware as the discovery of adapters might not complete without the library. (If not already present, the libHBAAPI Package can be obtained from the operating system installation media.) The HV supplied enablement kit must be installed prior to this firmware component being identified by SUM for deployment.

- It is advised to provide read-write permissions on /var/tmp folder. Firmware deployment via Service Pack for Hitachi Vantara(SPV) might be unsuccessful in some cases , if readwrite( rw) permissions are not enable on /tmp or /var/tmp directories.

## Enhancements

This Firmware package contains following firmware versions:

Adapter	Speed	MBI	Firmware	UEFI	Boot Bios
SN1100Q 16GB Dual Port PCIe Fibre Channel Host Bus Adapter	16Gb	02.04.09	9.15.05	7.28	3.68
SN1600Q 32Gb Single Port Fibre Channel Host Bus Adapter	32Gb	02.04.09	9.15.05	7.28	3.68
SN1600Q 32Gb Dual Port Fibre Channel Host Bus Adapter	32Gb	02.04.09	9.15.05	7.28	3.68
SN1610Q 32Gb Dual Port Fibre Channel Host Bus Adapter	32Gb	02.10.08	09.15.05	7.39	0.0

## Supported Devices and Features

- SN1100Q 16GB Dual Port PCIe Fibre Channel Host Bus Adapter
- SN1600Q 32Gb Single Port Fibre Channel Host Bus Adapter
- SN1600Q 32Gb Dual Port Fibre Channel Host Bus Adapter
- SN1610Q 32Gb Dual Port Fibre Channel Host Bus Adapter

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## **Firmware Flash for QLogic Fibre Channel Host Bus Adapters - Microsoft Windows Server 2016/2019/2022/2025 (x86\_64)**

Version: 2025.03.01 (Recommended)

## Important Note!

Release Notes: QLogic Adapters Release Notes This Firmware package contains following firmware versions:

Adapter	Speed	MBI	Firmware	UEFI	Boot Bios
SN1100Q 16GB Dual Port PCIe Fibre Channel Host Bus Adapter	16Gb	02.04.09	9.15.05	7.28	3.68
SN1600Q 32Gb Single Port Fibre Channel Host Bus Adapter	32Gb	02.04.09	9.15.05	7.28	3.68
SN1600Q 32Gb Dual Port Fibre Channel Host Bus Adapter	32Gb	02.04.09	9.15.05	7.28	3.68
SN1610Q 32Gb Dual Port Fibre Channel Host Bus Adapter	32Gb	02.10.08	09.15.05	7.39	0.0

## Enhancements

This Firmware package contains following firmware versions:

Adapter	Speed	MBI	Firmware	UEFI	Boot Bios
SN1100Q 16GB Dual Port PCIe Fibre Channel Host Bus Adapter	16Gb	02.04.09	9.15.05	7.28	3.68
SN1600Q 32Gb Single Port Fibre Channel Host Bus Adapter	32Gb	02.04.09	9.15.05	7.28	3.68
SN1600Q 32Gb Dual Port Fibre Channel Host Bus Adapter	32Gb	02.04.09	9.15.05	7.28	3.68
SN1610Q 32Gb Dual Port Fibre Channel Host Bus Adapter	32Gb	02.10.08	09.15.05	7.39	0.0

## Supported Devices and Features

- SN1100Q 16GB Dual Port PCIe Fibre Channel Host Bus Adapter
- SN1600Q 32Gb Single Port Fibre Channel Host Bus Adapter

- SN1600Q 32Gb Dual Port Fibre Channel Host Bus Adapter
- SN1610Q 32Gb Dual Port Fibre Channel Host Bus Adapter

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## Firmware Flash for QLogic Fibre Channel Host Bus Adapters for VMware vSphere 8.0

Version: 2025.03.01 (Recommended)

### Important Note!

Release Notes: QLogic Adapters Release Notes This Firmware package contains following firmware versions:

Adapter	Speed	MBI	Firmware	UEFI	Boot Bios
SN1100Q 16GB Dual Port PCIe Fibre Channel Host Bus Adapter	16Gb	02.04.09	9.15.05	7.28	3.68
SN1600Q 32Gb Single Port Fibre Channel Host Bus Adapter	32Gb	02.04.09	9.15.05	7.28	3.68
SN1600Q 32Gb Dual Port Fibre Channel Host Bus Adapter	32Gb	02.04.09	9.15.05	7.28	3.68
SN1610Q 32Gb Dual Port Fibre Channel Host Bus Adapter	32Gb	02.10.08	09.15.05	7.39	0.0

### Enhancements

This Firmware package contains following firmware versions:

Adapter	Speed	MBI	Firmware	UEFI	Boot Bios
SN1100Q 16GB Dual Port PCIe Fibre Channel Host Bus Adapter	16Gb	02.04.09	9.15.05	7.28	3.68
SN1600Q 32Gb Single Port Fibre Channel Host Bus Adapter	32Gb	02.04.09	9.15.05	7.28	3.68
SN1600Q 32Gb Dual Port Fibre Channel Host Bus Adapter	32Gb	02.04.09	9.15.05	7.28	3.68
SN1610Q 32Gb Dual Port Fibre Channel Host Bus Adapter	32Gb	02.10.08	09.15.05	7.39	0.0

### Supported Devices and Features

- SN1100Q 16GB Dual Port PCIe Fibre Channel Host Bus Adapter
- SN1600Q 32Gb Single Port Fibre Channel Host Bus Adapter
- SN1600Q 32Gb Dual Port Fibre Channel Host Bus Adapter
- SN1610Q 32Gb Dual Port Fibre Channel Host Bus Adapter

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## Firmware Flash for QLogic Fibre Channel Host Bus Adapters for VMware vSphere 9.0

Version: 2025.03.01 (Recommended)

### Important Note!

Release Notes: QLogic Adapters Release Notes This Firmware package contains following firmware versions:

Adapter	Speed	MBI	Firmware	UEFI	Boot Bios
SN1100Q 16GB Dual Port PCIe Fibre Channel Host Bus Adapter	16Gb	02.04.09	9.15.05	7.28	3.68
SN1600Q 32Gb Single Port Fibre Channel Host Bus Adapter	32Gb	02.04.09	9.15.05	7.28	3.68
SN1600Q 32Gb Dual Port Fibre Channel Host Bus Adapter	32Gb	02.04.09	9.15.05	7.28	3.68
SN1610Q 32Gb Dual Port Fibre Channel Host Bus Adapter	32Gb	02.10.08	09.15.05	7.39	0.0

Channel Host Bus Adapter					
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### **Enhancements**

This Firmware package contains following firmware versions:

Adapter	Speed	MBI	Firmware	UEFI	Boot Bios
SN1100Q 16GB Dual Port PCIe Fibre Channel Host Bus Adapter	16Gb	02.04.09	9.15.05	7.28	3.68
SN1600Q 32Gb Single Port Fibre Channel Host Bus Adapter	32Gb	02.04.09	9.15.05	7.28	3.68
SN1600Q 32Gb Dual Port Fibre Channel Host Bus Adapter	32Gb	02.04.09	9.15.05	7.28	3.68
SN1610Q 32Gb Dual Port Fibre Channel Host Bus Adapter	32Gb	02.10.08	09.15.05	7.39	0.0

### **Supported Devices and Features**

- SN1100Q 16GB Dual Port PCIe Fibre Channel Host Bus Adapter
- SN1600Q 32Gb Single Port Fibre Channel Host Bus Adapter
- SN1600Q 32Gb Dual Port Fibre Channel Host Bus Adapter
- SN1610Q 32Gb Dual Port Fibre Channel Host Bus Adapter

### **Firmware Package - NVMe Backplane PIC Firmware**

Version: 1.24 (F) (Recommended)

#### **Prerequisites**

iLO 5 version 1.10 or later is required.

#### **Enhancements**

Support ESXi8.0

### **Firmware Package - UBM1 Backplane PIC PLDM Firmware**

Version: 1.46 (B) (Recommended)

#### **Important Note!**

- PLDM FWPKG component only supports installation of UBM1 firmware when attached to Smart Array P408i-p, P408e-p, P408i-a, P408i-c, E208i-p, E208e-p, E208i-c, E208i-a, P204i-c, P816i-a and P416ie-m SR controllers(Firmware version 5.32 or later is need)
- PLDM FWPKG component can be supported installation of UBM1 firmware when direct attached the the server

#### **Prerequisites**

- iLO 5 version 2.72 or later is required.

#### **Enhancements**

- Initial version for UBM FWPKG.
- Support RHEL9 and ESXi8.0

### **Firmware Package - UBM4 Backplane PIC PLDM Firmware**

Version: 1.24 (G) (Recommended)

#### **Important Note!**

Flash FWPKG Component on Web Standalone mode

- PLDM FWPKG component only supports installation of UBM4 firmware when attached to SR416/SR932(Firmware version 3.01.14.062 or later is need) or MR216/416/408 controllers(Firmware version 52.22.3-4650 or later is need)
- PLDM FWPKG component can be supported installation of UBM4 firmware when direct attached the the server

#### **Prerequisites**

- iLO 6 version 1.62 or later is required for HA800 G6 servers
- iLO 6 version 1.10 or later is required for HA800 G3 servers
- iLO 5 version 2.72 or later is required for HA800 G2 servers

#### **Enhancements**

- Support HA800 G6 servers.

### **Firmware Package - UBM6 Backplane PIC PLDM Firmware**

Version: 1.04 (C) (Recommended)

#### **Important Note!**

- PLDM FWPKG component only supports installation of UBM6 firmware when attached to SR416i/SR932 controllers(Firmware version 3.01.09.056 or later is need) or Smart Array controllers (Firmware version 5.32 or later is need) or MR216/416/408 controllers(Firmware version 52.22.3-4650 or later is need)
- PLDM FWPKG component can be supported installation of UBM6 firmware when direct attached the the server

#### **Prerequisites**

- iLO 6 version 1.62 or later is required for HA800 G6
- iLO 6 version 1.10 or later is required for HA800 G3
- iLO 5 version 2.72 or later is required for HA800 G2

#### **Enhancements**

Support SY480 HA800 G6 server.

### **Online Flash for Linux - Innovation Engine Firmware for servers using Intel Xeon Scalable**

#### **3100/3200/4100/4200/5100/5200/6100/6200/8100/8200 series Processors**

Version: 0.2.3.0 (C) (Recommended)

#### **Prerequisites**

System ROM V1.26 or later The "iLO 5 Channel Interface Driver" (CHIF) for Linux which is integrated into the standard Linux kernel.

#### **Enhancements**

Version 0.2.3.0 firmware

### **Online Flash for Linux - Server Platform Services (SPS) Firmware for servers using Intel Xeon Scalable**

#### **3100/3200/4100/4200/5100/5200/6100/6200/8100/8200 series Processors**

Version: 04.01.05.105 (Recommended)

#### **Important Note!**

Important Notes:This version of the Server Platform Services (SPS) Firmware contains updates aligned with the Intel Product Update (IPU) version IPU 2025.1 guidance. This version of the SPS 04.01.05.105 should be paired with System ROM 3.40 (01/16/2025) or later.Details about reported security vulnerabilities and their mitigation can be

found at the following link Security Bulletin Library | Support.Deliverable Name:Server Platform Services (SPS) Firmware HA800 Servers Release Version:04.01.05.105 Last Recommended or Critical Revision:04.01.05.105 Previous Revision:04.01.05.002 Firmware Dependencies:None

#### **Enhancements/New Features:**

This version is in compliance with IPU 2025.1 guidance.Problems Fixed:None Known Issues:None

#### **Enhancements**

Important Notes:This version of the Server Platform Services (SPS) Firmware contains updates aligned with the Intel Product Update (IPU) version IPU 2025.1 guidance. This version of the SPS 04.01.05.105 should be paired with System ROM 3.40 (01/16/2025) or later.Details about reported security vulnerabilities and their mitigation can be found at the following link Security Bulletin Library | Support.Firmware Dependencies:None

#### **Enhancements/New Features:**

This version is in compliance with IPU 2025.1 guidance.Known Issues:None

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### **Online Flash for Linux - Server Platform Services (SPS) Firmware for servers using Intel Xeon Scalable 4300/5300/6300/8300 series Processors**

Version: 04.04.04.702 (Recommended)

#### **Important Note!**

Important Notes:This version of the Server Platform Services (SPS) Firmware contains updates aligned with the Intel Product Update (IPU) version IPU 2025.1 guidance. This version of the SPS 04.04.04.702 (2.30\_01\_06\_2025) should be paired with System ROM 2.30 (01/16/2025) or later.Details about reported security vulnerabilities and their mitigation can be found at the following link Security Bulletin Library | Support.Deliverable Name:Server Platform Services (SPS) Firmware Servers Release Version:04.04.04.702 Last Recommended or Critical Revision:04.04.04.702 Previous Revision:04.04.04.603 Firmware Dependencies:None

#### **Enhancements/New Features:**

This version is in compliance with IPU 2025.1 guidance.Problems Fixed:None Known Issues:None

#### **Enhancements**

Important Notes:This version of the Server Platform Services (SPS) Firmware contains updates aligned with the Intel Product Update (IPU) version IPU 2025.1 guidance. This version of the SPS 04.04.04.702 (2.30\_01\_06\_2025) should be paired with System ROM 2.30 (01/16/2025) or later.Details about reported security vulnerabilities and their mitigation can be found at the following link Security Bulletin Library | Support.Firmware Dependencies:None

#### **Enhancements/New Features:**

This version is in compliance with IPU 2025.1 guidance.Known Issues:None

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### **Online Flash for Windows x64 - Server Platform Services (SPS) Firmware for servers using Intel Xeon Scalable 3100/3200/4100/4200/5100/5200/6100/6200/8100/8200 series Processors**

Version: 04.01.05.105 (B) (Recommended)

#### **Important Note!**

Important Notes:This version of the Server Platform Services (SPS) Firmware contains updates aligned with the Intel Product Update (IPU) version IPU 2025.1 guidance. This version of the SPS 04.01.05.105 should be paired with System ROM 3.40 (01/16/2025) or later.Details about reported security vulnerabilities and their mitigation can be found at the following link Security Bulletin Library | Support.Deliverable Name:Server Platform Services (SPS) Firmware HA800 Servers Release Version:04.01.05.105 Last Recommended or Critical Revision:04.01.05.105 Previous Revision:04.01.05.002 Firmware Dependencies:None

### **Enhancements/New Features:**

This version is in compliance with IPU 2025.1 guidance.Problems Fixed:None Known Issues:None

### **Enhancements**

Important Notes:This version of the Server Platform Services (SPS) Firmware contains updates aligned with the Intel Product Update (IPU) version IPU 2025.1 guidance. This version of the SPS 04.01.05.105 should be paired with System ROM 3.40 (01/16/2025) or later.Details about reported security vulnerabilities and their mitigation can be found at the following link [Security Bulletin Library | Support](#).Firmware Dependencies:None

### **Enhancements/New Features:**

This version is in compliance with IPU 2025.1 guidance.Known Issues:None

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## **Online Flash for Windows x64 - Server Platform Services (SPS) Firmware for servers using Intel Xeon Scalable 4300/5300/6300/8300 series Processors**

Version: 04.04.04.702 (B) (Recommended)

### **Important Note!**

Important Notes:This version of the Server Platform Services (SPS) Firmware contains updates aligned with the Intel Product Update (IPU) version IPU 2025.1 guidance. This version of the SPS 04.04.04.702 (2.30\_01\_06\_2025) should be paired with System ROM 2.30 (01/16/2025) or later.Details about reported security vulnerabilities and their mitigation can be found at the following link [Security Bulletin Library | Support](#).Deliverable Name:Server Platform Services (SPS) Firmware Servers Release Version:04.04.04.702 Last Recommended or Critical Revision:04.04.04.702 Previous Revision:04.04.04.603 Firmware Dependencies:None

### **Enhancements/New Features:**

This version is in compliance with IPU 2025.1 guidance.Problems Fixed:None Known Issues:None

### **Enhancements**

Important Notes:This version of the Server Platform Services (SPS) Firmware contains updates aligned with the Intel Product Update (IPU) version IPU 2025.1 guidance. This version of the SPS 04.04.04.702 (2.30\_01\_06\_2025) should be paired with System ROM 2.30 (01/16/2025) or later.Details about reported security vulnerabilities and their mitigation can be found at the following link [Security Bulletin Library | Support](#).Firmware Dependencies:None

### **Enhancements/New Features:**

This version is in compliance with IPU 2025.1 guidance.Known Issues:None

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## **Online ROM Flash Component for Windows x64 - Server Platform Services Manageability Engine Firmware for the Intel C242 and C246 PCH based systems**

Version: 06.00.03.700 (B) (Recommended)

### **Important Note!**

Important Notes:This version of the Server Platform Services (SPS) Firmware contains updates aligned with the Intel Product Update (IPU) version IPU 2025.1 guidance. This version of the SPS 06.00.03.700 (2.30\_01\_07\_2025) should be paired with System ROM 2.30 (01/16/2025) or later.Details about reported security vulnerabilities and their mitigation can be found at the following link [Security Bulletin Library](#)

### **Enhancements/New Features:**

This version is in compliance with IPU 2025.1 guidance.Problems Fixed:None Known Issues:None

### **Prerequisites**

The "iLO 5 Channel Interface Driver" (CHIF) for Windows which is available from Service Pack for Hitachi Vantara (SPV).

## **Enhancements**

Important Notes:This version of the Server Platform Services (SPS) Firmware contains updates aligned with the Intel Product Update (IPU) version IPU 2025.1 guidance. This version of the SPS 06.00.03.700 (2.30\_01\_07\_2025) should be paired with System ROM 2.30 (01/16/2025) or later.Details about reported security vulnerabilities and their mitigation can be found at the following link [Security Bulletin Library | Support](#).Firmware Dependencies:None

## **Enhancements/New Features:**

This version is in compliance with IPU 2025.1 guidance.Known Issues:None

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## **Online ROM Flash Component for Windows x64 - Server Platform Services Manageability Engine Firmware for the Intel C242 and C246 PCH based systems**

Version: 05.01.05.005 (B) (Recommended)

## **Important Note!**

Important Notes:This version of the Server Platform Services (SPS) Firmware contains updates aligned with the Intel Product Update (IPU) version IPU 2025.1 guidance. This version of the SPS 05.01.05.005 should be paired with System ROM 3.50 (01/16/2025) or later.Details about reported security vulnerabilities and their mitigation can be found at the following link [Security Bulletin Library | Support](#).

## **Enhancements/New Features:**

This version is in compliance with IPU 2025.1 guidance.Problems Fixed:None Known Issues:None

## **Enhancements**

Important Notes:This version of the Server Platform Services (SPS) Firmware contains updates aligned with the Intel Product Update (IPU) version IPU 2025.1 guidance. This version of the SPS 05.01.05.005 should be paired with System ROM 3.50 (01/16/2025) or later.Details about reported security vulnerabilities and their mitigation can be found at the following link [Security Bulletin Library | Support](#).Firmware Dependencies:None

## **Enhancements/New Features:**

This version is in compliance with IPU 2025.1 guidance.Known Issues:None

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## **Online ROM Flash Component for Windows x64 - Server Platform Services Manageability Engine Firmware for the Intel C256 PCH based systems**

Version: 06.00.03.700 (B) (Recommended)

## **Important Note!**

Important Notes:This version of the Server Platform Services (SPS) Firmware contains updates aligned with the Intel Product Update (IPU) version IPU 2025.1 guidance. This version of the SPS 06.00.03.700 (2.30\_01\_07\_2025) should be paired with System ROM 2.30 (01/16/2025) or later.Details about reported security vulnerabilities and their mitigation can be found at the following link [Security Bulletin Library | Support](#).

## **Enhancements/New Features:**

This version is in compliance with IPU 2025.1 guidance.Problems Fixed:None Known Issues:None

## **Enhancements**

Important Notes:This version of the Server Platform Services (SPS) Firmware contains updates aligned with the Intel Product Update (IPU) version IPU 2025.1 guidance. This version of the SPS 06.00.03.700 (2.30\_01\_07\_2025) should be paired with System ROM 2.30 (01/16/2025) or later.Details about reported security vulnerabilities and their mitigation can be found at the following link [Security Bulletin Library | Support](#).Firmware Dependencies:None

## **Enhancements/New Features:**

This version is in compliance with IPU 2025.1 guidance.Known Issues:None

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## Online ROM Flash for Linux - Innovation Engine Firmware for servers using Intel Xeon Scalable 4300/5300/6300/8300 series Processors

Version: 1.0.0.22 (C) (Recommended)

### Prerequisites

System ROM V1.26 or later The "iLO 5 Channel Interface Driver" (CHIF) for Linux which is integrated into the standard Linux kernel.

### Enhancements

Version 1.0.0.22 firmware

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## Online ROM Flash for Linux - Server Platform Services Manageability Engine Firmware for the Intel C242 and C246 PCH based systems

Version: 06.00.03.700 (Recommended)

### Important Note!

Important Notes:This version of the Server Platform Services (SPS) Firmware contains updates aligned with the Intel Product Update (IPU) version IPU 2025.1 guidance. This version of the SPS 06.00.03.700 (2.30\_01\_07\_2025) should be paired with System ROM 2.30 (01/16/2025) or later.Details about reported security vulnerabilities and their mitigation can be found at the following link [Security Bulletin Library](#)

### Enhancements/New Features:

This version is in compliance with IPU 2025.1 guidance.Problems Fixed:None Known Issues:None

### Enhancements

Important Notes:This version of the Server Platform Services (SPS) Firmware contains updates aligned with the Intel Product Update (IPU) version IPU 2025.1 guidance. This version of the SPS 06.00.03.700 (2.30\_01\_07\_2025) should be paired with System ROM 2.30 (01/16/2025) or later.Details about reported security vulnerabilities and their mitigation can be found at the following link [Security Bulletin Library](#) | [Support.Firmware Dependencies:None](#)

### Enhancements/New Features:

This version is in compliance with IPU 2025.1 guidance.Known Issues:None

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## Online ROM Flash for Linux - Server Platform Services Manageability Engine Firmware for the Intel C242 and C246 PCH based systems

Version: 05.01.05.005 (B) (Recommended)

### Important Note!

Important Notes:This version of the Server Platform Services (SPS) Firmware contains updates aligned with the Intel Product Update (IPU) version IPU 2025.1 guidance. This version of the SPS 05.01.05.005 should be paired with System ROM 3.50 (01/16/2025) or later.Details about reported security vulnerabilities and their mitigation can be found at the following link [Security Bulletin Library](#)

### Enhancements/New Features:

This version is in compliance with IPU 2025.1 guidance.Problems Fixed:None Known Issues:None

### Enhancements

Important Notes:This version of the Server Platform Services (SPS) Firmware contains updates aligned with the Intel Product Update (IPU) version IPU 2025.1 guidance. This version of the SPS 05.01.05.005 should be paired with System ROM 3.50 (01/16/2025) or later.Details about reported security vulnerabilities and their mitigation can be found at the following link [Security Bulletin Library](#) | [Support.Firmware Dependencies:None](#)

### **Enhancements/New Features:**

This version is in compliance with IPU 2025.1 guidance.Known Issues:None

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### **Online ROM Flash for Linux - Server Platform Services Manageability Engine Firmware for the Intel C256 PCH based systems**

Version: 06.00.03.700 (Recommended)

### **Important Note!**

Important Notes:This version of the Server Platform Services (SPS) Firmware contains updates aligned with the Intel Product Update (IPU) version IPU 2025.1 guidance. This version of the SPS 06.00.03.700 (2.30\_01\_07\_2025) should be paired with System ROM 2.30 (01/16/2025) or later.Details about reported security vulnerabilities and their mitigation can be found at the following link [Security Bulletin Library](#)

### **Enhancements/New Features:**

This version is in compliance with IPU 2025.1 guidance.Problems Fixed:None Known Issues:None

### **Enhancements**

Important Notes:This version of the Server Platform Services (SPS) Firmware contains updates aligned with the Intel Product Update (IPU) version IPU 2025.1 guidance. This version of the SPS 06.00.03.700 (2.30\_01\_07\_2025) should be paired with System ROM 2.30 (01/16/2025) or later.Details about reported security vulnerabilities and their mitigation can be found at the following link [Security Bulletin Library](#) | [Support.Firmware Dependencies:None](#)

### **Enhancements/New Features:**

This version is in compliance with IPU 2025.1 guidance.Known Issues:None

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### **ROM Flash Firmware Package - Innovation Engine Firmware for servers using Intel Xeon Scalable 3100/3200/4100/4200/5100/5200/6100/6200/8100/8200 series Processors**

Version: 0.2.3.0 (B) (Recommended)

### **Prerequisites**

System ROM V1.26 or later iLO 5 v1.20 or later

### **Enhancements**

Version 0.2.3.0 firmware

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### **ROM Flash Firmware Package - Innovation Engine Firmware for servers using Intel Xeon Scalable 4300/5300/6300/8300 series Processors**

Version: 1.0.0.22 (B) (Recommended)

### **Prerequisites**

System ROM V1.26 or later iLO 5 v1.20 or later

### **Enhancements**

Version 1.0.0.22 firmware

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### **ROM Flash Firmware Package - Server Platform Services (SPS) Firmware for servers using Intel Xeon Scalable 3100/3200/4100/4200/5100/5200/6100/6200/8100/8200 series Processors**

Version: 04.01.05.105 (Recommended)

### **Important Note!**

Important Notes:This version of the Server Platform Services (SPS) Firmware contains updates aligned with the Intel Product Update (IPU) version IPU 2025.1 guidance. This version of the SPS 04.01.05.105 should be paired with

System ROM 3.40 (01/16/2025) or later.Details about reported security vulnerabilities and their mitigation can be found at the following link Security Bulletin Library | Support.Deliverable Name:Server Platform Services (SPS) Firmware HA800 Servers Release Version:04.01.05.105 Last Recommended or Critical Revision:04.01.05.105 Previous Revision:04.01.05.002 Firmware Dependencies:None

**Enhancements/New Features:**

This version is in compliance with IPU 2025.1 guidance.Problems Fixed:None Known Issues:None

**Enhancements**

Important Notes:This version of the Server Platform Services (SPS) Firmware contains updates aligned with the Intel Product Update (IPU) version IPU 2025.1 guidance. This version of the SPS 04.01.05.105 should be paired with System ROM 3.40 (01/16/2025) or later.Details about reported security vulnerabilities and their mitigation can be found at the following link Security Bulletin Library | Support.Firmware Dependencies:None

**Enhancements/New Features:**

This version is in compliance with IPU 2025.1 guidance.Known Issues:None

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**ROM Flash Firmware Package - Server Platform Services (SPS) Firmware for servers using Intel Xeon Scalable 4300/5300/6300/8300 series Processors**

Version: 04.04.04.702 (Recommended)

**Important Note!**

Important Notes:This version of the Server Platform Services (SPS) Firmware contains updates aligned with the Intel Product Update (IPU) version IPU 2025.1 guidance. This version of the SPS 04.04.04.702 (2.30\_01\_06\_2025) should be paired with System ROM 2.30 (01/16/2025) or later.Details about reported security vulnerabilities and their mitigation can be found at the following link Security Bulletin Library | Support.Deliverable Name:Server Platform Services (SPS) Firmware Servers Release Version:04.04.04.702 Last Recommended or Critical Revision:04.04.04.702 Previous Revision:04.04.04.603 Firmware Dependencies:None

**Enhancements/New Features:**

This version is in compliance with IPU 2025.1 guidance.Problems Fixed:None Known Issues:None

**Enhancements**

Important Notes:This version of the Server Platform Services (SPS) Firmware contains updates aligned with the Intel Product Update (IPU) version IPU 2025.1 guidance. This version of the SPS 04.04.04.702 (2.30\_01\_06\_2025) should be paired with System ROM 2.30 (01/16/2025) or later.Details about reported security vulnerabilities and their mitigation can be found at the following link Security Bulletin Library | Support.Firmware Dependencies:None

**Enhancements/New Features:**

This version is in compliance with IPU 2025.1 guidance.Known Issues:None

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**ROM Flash Firmware Package - Server Platform Services Manageability Engine Firmware for the Intel C242 and C246 PCH based systems**

Version: 05.01.05.005 (Recommended)

**Important Note!**

Important Notes:This version of the Server Platform Services (SPS) Firmware contains updates aligned with the Intel Product Update (IPU) version IPU 2025.1 guidance. This version of the SPS 05.01.05.005 should be paired with System ROM 3.50 (01/16/2025) or later.Details about reported security vulnerabilities and their mitigation can be found at the following link Security Bulletin Library

### **Enhancements/New Features:**

This version is in compliance with IPU 2025.1 guidance.Problems Fixed:None Known Issues:None

### **Enhancements**

Important Notes:This version of the Server Platform Services (SPS) Firmware contains updates aligned with the Intel Product Update (IPU) version IPU 2025.1 guidance. This version of the SPS 05.01.05.005 should be paired with System ROM 3.50 (01/16/2025) or later.Details about reported security vulnerabilities and their mitigation can be found at the following link [Security Bulletin Library | Support](#).Firmware Dependencies:None

### **Enhancements/New Features:**

This version is in compliance with IPU 2025.1 guidance.Known Issues:None

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## **ROM Flash Firmware Package - Server Platform Services Manageability Engine Firmware for the Intel C242 and C246 PCH based systems**

Version: 06.00.03.700 (Recommended)

### **Important Note!**

Important Notes:This version of the Server Platform Services (SPS) Firmware contains updates aligned with the Intel Product Update (IPU) version IPU 2025.1 guidance. This version of the SPS 06.00.03.700 (2.30\_01\_07\_2025) should be paired with System ROM 2.30 (01/16/2025) or later.Details about reported security vulnerabilities and their mitigation can be found at the following link [Security Bulletin Library](#)

### **Enhancements/New Features:**

This version is in compliance with IPU 2025.1 guidance.Problems Fixed:None Known Issues:None

### **Enhancements**

Important Notes:This version of the Server Platform Services (SPS) Firmware contains updates aligned with the Intel Product Update (IPU) version IPU 2025.1 guidance. This version of the SPS 06.00.03.700 (2.30\_01\_07\_2025) should be paired with System ROM 2.30 (01/16/2025) or later.Details about reported security vulnerabilities and their mitigation can be found at the following link [Security Bulletin Library | Support](#).Firmware Dependencies:None

### **Enhancements/New Features:**

This version is in compliance with IPU 2025.1 guidance.Known Issues:None

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## **ROM Flash Firmware Package - Server Platform Services Manageability Engine Firmware for the Intel C256 PCH based systems**

Version: 06.00.03.700 (Recommended)

### **Important Note!**

Important Notes:This version of the Server Platform Services (SPS) Firmware contains updates aligned with the Intel Product Update (IPU) version IPU 2025.1 guidance. This version of the SPS 06.00.03.700 (2.30\_01\_07\_2025) should be paired with System ROM 2.30 (01/16/2025) or later.Details about reported security vulnerabilities and their mitigation can be found at the following link [Security Bulletin Library](#)

### **Enhancements/New Features:**

This version is in compliance with IPU 2025.1 guidance.Problems Fixed:None Known Issues:None

### **Enhancements**

Important Notes:This version of the Server Platform Services (SPS) Firmware contains updates aligned with the Intel Product Update (IPU) version IPU 2025.1 guidance. This version of the SPS 06.00.03.700 (2.30\_01\_07\_2025) should be paired with System ROM 2.30 (01/16/2025) or later.Details about reported security vulnerabilities and their mitigation can be found at the following link [Security Bulletin Library | Support](#).Firmware Dependencies:None

### **Enhancements/New Features:**

This version is in compliance with IPU 2025.1 guidance. Known Issues: None

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### **Lights-Out Online Configuration Utility for Linux (AMD64/EM64T)**

Version: 6.0.0-0 (B) (Optional)

#### **Prerequisites**

For Integrated Lights-Out 5, this utility requires minimum firmware revision 1.20 or later. The management interface driver and management agents must be installed on the server. For iLO 5 or later, openssl v1.0.x or later is required in addition to above packages. Customers who manually compile and install openssl or intentionally relocate /usr/bin/openssl, need to set PATH environment variable to direct HPONCFG to the right/intended openssl.

#### **Fixes**

Enabling rpm installation when OS is in FIPS mode

#### **Enhancements**

None

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### **Lights-Out Online Configuration Utility for Windows x64 Editions**

Version: 6.0.0.0 (A) (Optional)

#### **Important Note!**

RIBCL and the scripting tools including HPQLOCFG, Lights-Out XML PERL Scripting Sample for Linux (includes LOCFG.PL), Lights-Out XML Scripting Sample for Windows, HPONCFG for Windows, HPONCFG for Linux, and HPLOMIG have entered the sustenance stage. HV will now provide only critical bugs and security fixes for RIBCL and the scripting tools. Hewlett Packard Enterprise recommends using the iLOREST Tool (Download Pages and User Guide) or iLO RESTful API

#### **Prerequisites**

This utility requires the following minimum firmware revisions:

- Integrated Lights-Out 5 firmware v1.30 or later
- Integrated Lights-Out 6 firmware v1.10 or later The management interface driver must be installed on the server.

Microsoft .Net Framework 2.0 or later is required to launch HPONCFG GUI.

#### **Fixes**

None.

#### **Enhancements**

Added support for Windows 2025

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### **iLO Driver Bundle Smart Component for ESXi 8.0 and ESXi 9.0**

Version: 2025.03.00 (Recommended)

#### **Enhancements**

Support VMware ESXi 9.0.

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### **Smart Storage Administrator (SSA) CLI Smart Component for ESXi 8.0**

Version: 2025.02.01 (Recommended)

#### **Important Note!**

- Actual ESXi ssacli version is 6.45.8.0
-

## Fixes

- Corrected wrong wording of Parity Initialization messages.
- Fixed vulnerability CVE-2023-45853.

## Enhancements

- Added Write Cache Status field to the info page for physical drives when "pd all show detail" is used.
- 

## **Smart Storage Administrator (SSA) CLI Smart Component for ESXi 9.0**

Version: 2025.03.01 (Recommended)

### Important Note!

- Actual ESXi Version is 6.50.8.0

### Enhancements

- Initial Release.
- 

## **MegaRAID Storage Administrator StorCLI for VMware8.0**

Version: 2025.01.01 (B) (Recommended)

### Important Note!

- Actual ESXi Version is 007.3011.0000.0000

### Enhancements

- Support new HA800 G6 servers.
- 

## **MegaRAID Storage Administrator StorCLI for VMware9.0**

Version: 2025.01.01 (Recommended)

### Important Note!

- Actual ESXi Version is 007.3011.0000.0000

### Enhancements

- Initial release.
- 

## **Smart Array SR Event Notification Service for Windows Server 64-bit Editions**

Version: 1.2.1.69 (B) (Recommended)

### Enhancements

- Added Azure Stack HCI 23H2 support
- 

## **QLogic Fibre Channel driver component for VMware vSphere 8.0**

Version: 2024.09.01 (Recommended)

### Enhancements

Driver version 5.4.83.1 This driver is only supported on VMware ESXi 8.0u3

### Supported Devices and Features

- SN1100Q 16GB Dual Port PCIe Fibre Channel Host Bus Adapter
  - SN1600Q 32Gb Single Port Fibre Channel Host Bus Adapter
  - SN1600Q 32Gb Dual Port Fibre Channel Host Bus Adapter
  - SN1610Q 32Gb Dual Port Fibre Channel Host Bus Adapter
-

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## QLogic Fibre Channel driver component for VMware vSphere 8.0

Version: 2024.09.01 (Recommended)

### Enhancements

Driver version 5.4.82.1

### Supported Devices and Features

- SN1100Q 16GB Dual Port PCIe Fibre Channel Host Bus Adapter
- SN1600Q 32Gb Single Port Fibre Channel Host Bus Adapter
- SN1600Q 32Gb Dual Port Fibre Channel Host Bus Adapter
- SN1610Q 32Gb Dual Port Fibre Channel Host Bus Adapter

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## QLogic Fibre Channel driver component for VMware vSphere 9.0

Version: 2025.03.01 (Recommended)

### Enhancements

Driver version 5.4.83.1 This driver is only supported on VMware ESXi 9.0

### Supported Devices and Features

- SN1100Q 16GB Dual Port PCIe Fibre Channel Host Bus Adapter
- SN1600Q 32Gb Single Port Fibre Channel Host Bus Adapter
- SN1600Q 32Gb Dual Port Fibre Channel Host Bus Adapter
- SN1610Q 32Gb Dual Port Fibre Channel Host Bus Adapter

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## Agentless Management Service (iLO 5, iLO 6 and iLO 7) for Red Hat Enterprise Linux 9 Server

Version: 4.0.0 (Recommended)

### Prerequisites

- amsd only supported on HA800/HA800 G2 and later Server Generations.
- amsd provides information to the iLO 5, iLO 6 and iLO 7 service providing SNMP support
- servers with iLO 7:

Ensure that the iLO Virtual NIC (vNIC) feature is enabled. Please refer to the iLO User Guide for vNIC configuration procedure.

### Fixes

See the AMS Release Notes for information about the issues resolved in this release.

### Enhancements

See the AMS Release Notes for information about the enhancements in this release.

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## Agentless Management Service (iLO5, iLO 6) for Red Hat Enterprise Linux 8 Server

Version: 3.7.0 (Recommended)

### Prerequisites

- amsd only supported on HA800/HA800 G2 Servers and later Server Generations.
- amsd provides information to the iLO 5 and iLO 6 service providing SNMP support.

### Fixes

See the AMS Release Notes for information about the issues resolved in this release.

### Enhancements

See the AMS Release Notes for information about the enhancements in this release.

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## Agentless Management Service for Microsoft Windows x64

Version: 2.60.2.0 (Recommended)

### Important Note!

About installation and enablement of SMA service:

- During AMS installation in interactive mode, there is pop up message to selectively install SMA.
- If Yes is selected, SMA service will be installed and set to running state.
- If No is selected, SMA service will be installed but the service is not enabled.
- During AMS installation in silent mode, SMA is installed but the service is not enabled.
- To enable SMA service at a later time, go to the following folder: %ProgramFiles%\OEM\AMS\Service\ (Typically c:\Program Files\OEM\AMS\Service) and execute "EnableSma.bat /f"
- IMPORTANT: The SNMP service community name and permission must also be setup. This is not done by "EnableSma.bat".
- To disable SMA after it has been enabled, go to the following folder: %ProgramFiles%\OEM\AMS\Service\ (Typically c:\Program Files\OEM\AMS\Service) and execute "DisableSma.bat /f"
- After installing Windows operating system, make sure all the latest Microsoft Updates are downloaded and installed (wuapp.exe can be launched to start the update process).

If this is not done, a critical error may be reported in Windows Event Log, "The Agentless Management Service terminated unexpectedly".AMS Control Panel Applet:

- The AMS control panel applet UI is best displayed on the system when screen resolution is 1280 x 1024 pixels or higher and text size 100%.
- Test trap generated from AMS Control Panel Applet requires iLO5 firmware version 2.10 and newer.
- When in iLO5 high security mode (e.g. FIPS mode), MD5 authentication protocol will not be shown.

### Prerequisites

The Channel Interface Driver for Windows X64 must be installed prior to this component. Microsoft SNMP Service must be enabled, if SMA (System Management Assistant) is enabled.

### Fixes

See the AMS Release Notes for information about the issues resolved in this release.

### Enhancements

See the AMS Release Notes for information about the enhancements in this release.

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## Agentless Management Bundle Smart Component on ESXi

Version: 2025.03.01 (Recommended)

### Fixes

See the AMS Release Notes for information about the issues resolved in this release.

### Enhancements

See the AMS Release Notes for information about the enhancements in this release.

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## MegaRAID Storage Administrator for Linux 64-bit

Version: 8.10.12.0 (B) (Recommended)

### Prerequisites

- For SLES15 and above platforms, one of the dependent rpms - 'insserv-compat' is required during

installation/uninstallation. This is needed because MRSA startup script is based on SysV/init script and inserv adds as a bridge between SysV/init script and systemctl.

- From RHEL 8+ the Desktop ICON Launching property is disabled by default. Please use either yum or DNF to install gnome-tweak-tool and Enable the Desktop Shortcut feature to launch MRSA. The chkconfig package is not present in RHEL 9 by default. This package is required to auto start MRSA service on system boot. Please install chkconfig package before installing the MRSA.

### **Enhancements**

- Support Azure Stack HCI 23H2 OS.
- Support new HA800 G6 servers.

---

### **MegaRAID Storage Administrator for Windows 64-bit**

Version: 8.10.12.0 (B) (Recommended)

### **Important Note!**

- Please do not update MR controller FW/MRSA/StorCLI if systems installed both SR100i and MR controllers.

### **Enhancements**

- Support new HA800 G6 servers.

---

### **MegaRAID Storage Administrator StorCLI for Linux 64-bit**

Version: 007.3011.0000.0000 (B) (Recommended)

### **Enhancements**

- Support Azure Stack HCI 23H2 OS.
- Support new HA800 G6 servers.

---

### **MegaRAID Storage Administrator StorCLI for Windows 64-bit**

Version: 7.3011.0.0 (B) (Recommended)

### **Important Note!**

- Please do not update MR controller FW/MRSA/StorCLI if systems installed both SR100i and MR controllers.

### **Enhancements**

- Support Azure Stack HCI 23H2 OS.
- Support new HA800 G6 servers.

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### **NVMe Drive Eject NMI Fix for Intel Xeon Processor Scalable Family for Microsoft Windows 64-bit**

Version: 1.1.0.0 (H) (Optional)

### **Enhancements**

- Updated supported environments

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### **Smart Storage Administrator (SSA) CLI for Linux 64-bit**

Version: 6.45.8.0 (Recommended)

### **Fixes**

- Corrected wrong wording of Parity Initialization messages.
- Fixed vulnerability CVE-2023-45853.

## Enhancements

- Added Write Cache Status field to the info page for physical drives when "pd all show detail" is used.
- 

## **Smart Storage Administrator (SSA) CLI for Windows 64-bit**

Version: 6.45.8.0 (Recommended)

## Fixes

- Corrected wrong wording of Parity Initialization messages.
- Fixed vulnerability CVE-2023-45853.

## Enhancements

- Added Write Cache Status field to the info page for physical drives when "pd all show detail" is used.
- 

## **Smart Storage Administrator (SSA) for Linux 64-bit**

Version: 6.45.8.0 (Recommended)

## Prerequisites

The Smart Storage Administrator for Linux requires the System Management Homepage software to be installed on the server. If the System Management Homepage software is not already installed on your server, please install it before installing the Smart Storage Administrator for Linux. IMPORTANT UPDATE: SSA (GUI) for Linux can now be run without requiring the System Management Homepage. SSA now supports a Local Application Mode for Linux. The System Management Homepage is still supported, but no longer required to run the SSA GUI. To invoke, enter the following at the command prompt: `ssa -local` The command will start SSA in a new Firefox browser window. When the browser window is closed, SSA will automatically stop. This is only valid for the loopback interface, and not visible to external network connections.

## Fixes

- Fixed inappropriately prompted Rapid Parity Initialization messages.
- Fixed vulnerability CVE-2023-45853.

## Enhancements

- Added Write Cache Status field to the info page for physical drives.
- 

## **Smart Storage Administrator (SSA) for Windows 64-bit**

Version: 6.45.8.0 (Recommended)

## Fixes

- Fixed inappropriately prompted Rapid Parity Initialization messages.
- Fixed vulnerability CVE-2023-45853.

## Enhancements

- Added Write Cache Status field to the info page for physical drives.
- 

## **Smart Storage Administrator Diagnostic Utility (SSADU) CLI for Linux 64-bit**

Version: 6.45.8.0 (Recommended)

## Fixes

- Corrected wrong wording of Parity Initialization messages.
- Fixed vulnerability CVE-2023-45853.

## Enhancements

- Added Write Cache Status field to the info page for physical drives when "pd all show detail" is used.

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## Smart Storage Administrator Diagnostic Utility (SSADU) CLI for Windows 64-bit

Version: 6.45.8.0 (Recommended)

## Important Note!

This stand alone version of the Smart Storage Administrator's Diagnostic feature is available only in CLI form. For the GUI version of Diagnostic reports, please use Smart Storage Administrator (SSA).

## Fixes

- Corrected wrong wording of Parity Initialization messages.
- Fixed vulnerability CVE-2023-45853.

## Enhancements

- Added Write Cache Status field to the info page for physical drives when "pd all show detail" is used.

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