

HA800 G3 Series Service Pack for Hitachi Vantara Release Notes v7.43

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About this document

This document (RN-90HAS8029-03, August 2025) provides late-breaking information about Service Pack for Hitachi Vantara (SPV) 7.43 for HA800 G3 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 G3 Series servers.

Getting help

Hitachi Vantara Support Connect 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 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, 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 G3 servers.

Document history

Revision	Description
RN-90HAS8029-03	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 G3 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 G3 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 G3 (U54)
- Hitachi Advanced Server HA820 G3 (U54)
- Hitachi Advanced Server HA840 G3 (U59)

Supported Operating Systems

The following operating systems are supported for 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

- MR408i-p HA800 G3 12G Controller Kit
- BCM 57608 100GbE 2p QSFP112 Adptr
- BCM 57608 100GbE 2p QSFP112 OCP3 Adptr

Removed support model

None

Removed support OS

- Red Hat® Enterprise Linux® Server 8.9
- VMware ESXi™ 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: `./smartupdate --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".

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

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	
		Windows	RHEL	VMware	Firmware	Software (Drivers, utilities, etc.)
Online	Local	<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"/>
	Remote (*3) (iLO repository update)	<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"/>	-

* 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.

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.)

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.

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 is completed or the deployment is completed.

If an error occurs, install the file or library displayed 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 devices 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 "iLO5 x.xx* user guide".
- 2) In online update case, please reboot the system.
- 3) Please remove AC power cord from the system and wait 10 seconds, and then install AC into the system.

*Indicate any version

OS reboot while offline SUM is running

Target system sometimes reboots automatically while Offline SUM is running. In this case, some packages may not be applied.

If you face it, please rerun SUM and apply remaining packages.

How to confirm if all packages are applied, refer to "Firmware and driver dependencies" section.

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.

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.

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 6 Automatic Server Recovery Driver for Microsoft Windows Server 2019
2	Windows Server 2022	iLO 6 Automatic Server Recovery Driver for Microsoft Windows Server 2022
3	Windows Server 2025	iLO 6 Automatic Server Recovery Driver for Microsoft Windows Server 2025

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
```

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
1	VMware ESXi™ 8.0	cp064330.zip	sutComponent:800.6.0.0.37-*.zip
2	VMware ESXi™ 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
```

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

As Intel network adapter is working until unplug the AC power cable(s), New firmware cannot be applied to Intel network adapter even though the system is rebooted.

To apply new firmware correctly, please unplug AC power cable(s) and wait for 5 seconds or more and plug it back in.

OS setup in a RAID Controller Environment

In the environment with Smart Array Controllers listed in the table below, when setting up Windows or RHEL, apply the driver described in "Driver--Storage Controller" before applying SPV.

Product name	Device
SR932i-p Controller	SR932i-p 24G Controller Kit
MR216i-o Controller	MR216i-o 12G Controller Kit
MR216i-p Controller	MR216i-p 12G Controller Kit
MR408i-o Controller	MR408i-o SPDM Storage Cntlr
MR416i-o Controller	MR416i-o 12G Controller Kit
MR416i-p Controller	MR416i-p 12G Controller Kit
MR408i-p Controller	MR408i-p 12G Controller Kit

Contents of SPV

Files applicable by 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, refer to "Smart Update Manager User Guide".

Application -- System Management

No.	Description	Package filename	Device	Package Version	Firmware/Driver version
1	Integrated Smart Update Tools 6.0.0 for ESXi 8.0 and ESXi 9.0	cp064330.zip	-	2025.03.00	800.6.0.0.37-0
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 U54	firmware-system-oem-u54-2.48_2025_03_11-1.1.x86_64.rpm	System BIOS - U54	2.48_03-11-2025	U54 v2.48 (03/11/2025)
5	Online ROM Flash Component for Linux - System ROM U58	firmware-system-oem-u58-2.48_2025_03_11-	System BIOS - U58	2.48_03-11-2025	U58 v2.48 (03/11/2025)

		1.1.x86_64.rpm			
6	Online ROM Flash Component for Linux - System ROM U59	firmware-system-oem-u59-2.48_2025_03_11-1.1.x86_64.rpm	System BIOS - U59	2.48_03-11-2025	U59 v2.48 (03/11/2025)
7	Online ROM Flash Component for Linux - System ROM U63	firmware-system-oem-u63-2.48_2025_03_11-1.1.x86_64.rpm	System BIOS - U63	2.48_03-11-2025	U63 v2.48 (03/11/2025)
8	Online ROM Flash Component for Linux - System ROM U65	firmware-system-oem-u65-2.14_2025_03_11-1.1.x86_64.rpm	System BIOS - U65	2.14_03-11-2025	U65 v2.14 (03/11/2025)
9	Online ROM Flash Component for Windows x64 - System ROM U54	cp066152.exe	System BIOS - U54	2.48_03-11-2025	U54 v2.48 (03/11/2025)
10	Online ROM Flash Component for Windows x64 - System ROM U58	cp066165.exe	System BIOS - U58	2.48_03-11-2025	U58 v2.48 (03/11/2025)
11	Online ROM Flash Component for Windows x64 - System ROM U59	cp066179.exe	System BIOS - U59	2.48_03-11-2025	U59 v2.48 (03/11/2025)
12	Online ROM Flash Component for Windows x64 - System ROM U63	cp066168.exe	System BIOS - U63	2.48_03-11-2025	U63 v2.48 (03/11/2025)
13	Online ROM Flash Component for Windows x64 - System ROM U65	cp066188.exe	System BIOS - U65	2.14_03-11-2025	U65 v2.14 (03/11/2025)
14	ROM Flash Firmware Package - System ROM U54	OEM.U54_2.48_03_11_2025.fwpkg	System BIOS - U54	2.48_03-11-2025	U54 v2.48 (03/11/2025)
15	ROM Flash Firmware Package - System ROM U59	OEM.U59_2.48_03_11_2025.fwpkg	System BIOS - U59	2.48_03-11-2025	U59 v2.48 (03/11/2025)
16	ROM Flash Firmware Package - System ROM U63	OEM.U63_2.48_03_11_2025.fwpkg	System BIOS - U63	2.48_03-11-2025	U63 v2.48 (03/11/2025)
17	ROM Flash Firmware Package - System ROM U65	OEM.U65_2.14_03_11_2025.fwpkg	System BIOS - U65	2.14_03-11-2025	U65 v2.14 (03/11/2025)

Driver—Chipset

No.	Description	Package filename	Device	Package Version	Firmware/Driver version
18	Identifiers for Intel Xeon E-24xx Processor for Microsoft Windows	cp062293.exe	-	10.1.19886.8592	10.1.19886.8592
19	Identifiers for Intel Xeon Scalable Processors (Fourth and Fifth Generation) for Microsoft Windows	cp065114.exe	-	10.1.19879.8585 (B)	10.1.19879.8585

Driver—Network

No.	Description	Package filename	Device	Package Version	Firmware/Driver version
20	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
21	Broadcom NX1 1Gb Driver for Windows	cp064528.exe	Broadcom BCM5719	221.0.7.0	221.0.7.0

	Server x64 Editions		Ethernet 1Gb 4-port Base-T OCP3 Adapter	(B)	
22	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
23	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
24	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
25	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
26	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
27	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
28	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
29	Broadcom NetXtreme-E Driver for Microsoft Windows Server 2022	cp063726.exe	Broadcom NetXtreme-E BCM57608 100GbE 2p QSFP112 Adptr	232.0.155.7	232.0.155.7
30	Broadcom NetXtreme-E Driver for Microsoft Windows Server 2022	cp063726.exe	Broadcom NetXtreme-E BCM57608 100GbE QSFP112 OCP3 Adptr	232.0.155.7	232.0.155.7
31	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
32	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
33	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
34	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
35	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
36	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
37	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
38	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
39	Broadcom NetXtreme-E Driver for Microsoft Windows Server 2025	cp063727.exe	Broadcom NetXtreme-E BCM57608 100GbE 2p QSFP112 Adptr	232.0.155.7	232.0.155.7
40	Broadcom NetXtreme-E Driver for Microsoft Windows Server 2025	cp063727.exe	Broadcom NetXtreme-E BCM57608 100GbE QSFP112 OCP3 Adptr	232.0.155.7	232.0.155.7
41	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
42	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
43	Broadcom NetXtreme-E Drivers for Red Hat Enterprise Linux 8	kmod-bnxt_en-1.10.3-232.0.155.5.rhel8u9.x	BCM 57414 10/25GbE 2p SFP28 Adptr	1.10.3-232.0.155.5	1.10.3-232.0.155.5.rhel8u9

		86_64.rpm			
44	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
45	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
46	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
47	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+ Adptr	1.10.3-232.0.155.5	1.10.3-232.0.155.5.rhel8u9
48	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
49	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
50	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
51	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
52	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
53	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
54	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
55	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
56	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
57	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

		x86_64.rpm			
58	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
59	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
60	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
61	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
62	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
63	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
64	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
65	Broadcom NetXtreme-E Drivers for Red Hat Enterprise Linux 9	kmod-bnxt_en-1.10.3-232.0.155.5.rhel9u4.x86_64.rpm	Broadcom NetXtreme-E BCM57608 100GbE 2p QSFP112 Adptr	1.10.3-232.0.155.5	1.10.3-232.0.155.5.rhel9u4
66	Broadcom NetXtreme-E Drivers for Red Hat Enterprise Linux 9	kmod-bnxt_en-1.10.3-232.0.155.5.rhel9u4.x86_64.rpm	Broadcom NetXtreme-E BCM57608 100GbE QSFP112 OCP3 Adptr	1.10.3-232.0.155.5	1.10.3-232.0.155.5.rhel9u4
67	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
68	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
69	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
70	Broadcom NetXtreme-E Drivers for VMware vSphere 8.0	cp063725.zip	BCM 57414 10/25GbE 2p SFP28 OCP3 Adptr	2025.03.00	232.0.254.0-10EM.800.1.0.20613240
71	Broadcom NetXtreme-E Drivers for VMware vSphere 8.0	cp063725.zip	BCM 57416 10GbE 2p BASE-T Adptr	2025.03.00	232.0.254.0-10EM.800.1.0.20613240
72	Broadcom NetXtreme-E Drivers for VMware vSphere 8.0	cp063725.zip	BCM 57416 10GbE 2p BASE-T OCP3 Adptr	2025.03.00	232.0.254.0-10EM.800.1.0

					.20613240
73	Broadcom NetXtreme-E Drivers for VMware vSphere 8.0	cp063725.zip	BCM 57412 10GbE 2p SFP+ Adptr	2025.03.00	232.0.254.0-10EM.800.1.0 .20613240
74	Broadcom NetXtreme-E Drivers for VMware vSphere 8.0	cp063725.zip	BCM 57412 10GbE 2p SFP+ OCP3 Adptr	2025.03.00	232.0.254.0-10EM.800.1.0 .20613240
75	Broadcom NetXtreme-E Drivers for VMware vSphere 8.0	cp063725.zip	Broadcom NetXtreme-E BCM57608 100GbE 2p QSFP112 Adptr	2025.03.00	232.0.254.0-10EM.800.1.0 .20613240
76	Broadcom NetXtreme-E Drivers for VMware vSphere 8.0	cp063725.zip	Broadcom NetXtreme-E BCM57608 100GbE QSFP112 OCP3 Adptr	2025.03.00	232.0.254.0-10EM.800.1.0 .20613240
77	Broadcom NetXtreme-E Drivers for VMware vSphere 8.0	cp063725.zip	BCM 57504 10/25GbE 4p SFP28 Adptr	2025.03.00	232.0.254.0-10EM.800.1.0 .20613240
78	Broadcom NetXtreme-E Drivers for VMware vSphere 8.0	cp063725.zip	BCM 57504 10/25GbE 4p SFP28 OCP3 Adptr	2025.03.00	232.0.254.0-10EM.800.1.0 .20613240
79	Broadcom NetXtreme-E Drivers for VMware vSphere 9.0	cp063771.zip	BCM 57414 10/25GbE 2p SFP28 Adptr	2025.03.00	2025.03.00
80	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
81	Broadcom NetXtreme-E Drivers for VMware vSphere 9.0	cp063771.zip	BCM 57416 10GbE 2p BASE-T Adptr	2025.03.00	2025.03.00
82	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
83	Broadcom NetXtreme-E Drivers for VMware vSphere 9.0	cp063771.zip	BCM 57412 10GbE 2p SFP+ Adptr	2025.03.00	2025.03.00
84	Broadcom NetXtreme-E Drivers for VMware vSphere 9.0	cp063771.zip	BCM 57412 10GbE 2p SFP+ OCP3 Adptr	2025.03.00	2025.03.00
85	Broadcom NetXtreme-E Drivers for VMware vSphere 9.0	cp063771.zip	Broadcom NetXtreme-E BCM57608 100GbE 2p QSFP112 Adptr	2025.03.00	2025.03.00
86	Broadcom NetXtreme-E Drivers for VMware vSphere 9.0	cp063771.zip	Broadcom NetXtreme-E BCM57608 100GbE QSFP112 OCP3 Adptr	2025.03.00	2025.03.00
87	Broadcom NetXtreme-E Drivers for VMware vSphere 9.0	cp063771.zip	BCM 57504 10/25GbE 4p SFP28 Adptr	2025.03.00	2025.03.00
88	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
89	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
90	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
91	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
92	Broadcom NetXtreme-E RoCE Library for Red Hat Enterprise Linux 8 Update	libbnxt_re-232.0.155.5-	BCM 57416 10GbE 2p BASE-T OCP3 Adptr	232.0.155.5	232.0.155.5-rhel8u10

	10.	rhel8u10.x86_64.rpm			
93	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+ Adptr	232.0.155.5	232.0.155.5-rhel8u10
94	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
95	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
96	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
97	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
98	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
99	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
100	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
101	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
102	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
103	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
104	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
105	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
106	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
107	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
108	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
109	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
110	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
111	Broadcom NetXtreme-E RoCE Library	libbnxt_re-	Broadcom	232.0.155.5	232.0.155.5-

	for Red Hat Enterprise Linux 9 Update 4.	232.0.155.5-rhel9u4.x86_64.rpm	NetXtreme-E BCM57608 100GbE 2p QSFP112 Adptr		rhel9u4
112	Broadcom NetXtreme-E RoCE Library for Red Hat Enterprise Linux 9 Update 4.	libbnxt_re-232.0.155.5-rhel9u4.x86_64.rpm	Broadcom NetXtreme-E BCM57608 100GbE QSFP112 OCP3 Adptr	232.0.155.5	232.0.155.5-rhel9u4
113	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
114	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
115	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
116	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
117	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
118	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
119	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
120	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
121	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
122	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 OCP3 Adapter	3.139q-1	3.139q-1.rhel9u4
123	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
124	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
125	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
126	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
127	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
128	Intel iavf Drivers for Red Hat Enterprise Linux 8	kmod-hp-iavf-4.12.5-1.rhel8u9.x86_64.rpm	Intel E810-XXVDA4 Ethernet 10/25Gb 4-port SFP28 Adapter	4.12.5-1	4.12.5-1.rhel8u9

129	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
130	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
131	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
132	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
133	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
134	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
135	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 OCP3 Adapter	4.12.5-1 (B)	4.12.5-1.rhel9u4
136	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
137	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
138	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
139	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
140	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
141	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
142	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
143	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
144	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
145	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
146	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

147	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
148	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
149	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.rh el8u10.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.rhel8u1 0
150	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.rh el8u10.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.rhel8u1 0
151	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.rh el8u10.x86_64.rpm	100GbE 1p QSFP28 MCX515A-CCAT Adptr	24.10- 0.7.0.1	24.10- OFED.24.10.0. 7.0.1.rhel8u1 0
152	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.rh el8u10.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.rhel8u1 0
153	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.rh el8u10.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.rhel8u1 0
154	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.rh el8u10.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.rhel8u1 0
155	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.rh el8u10.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.rhel8u1 0
156	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.rh el8u10.x86_64.rpm	100GbE 1p QSFP28 MCX515A-CCAT Adptr	24.10- 0.7.0.1	24.10- OFED.24.10.0. 7.0.1.rhel8u1 0
157	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.rh el8u10.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.rhel8u1 0
158	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.rh el8u10.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.rhel8u1 0
159	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.rh el8u9.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
160	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.rh el8u9.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
161	Mellanox RoCE ConnectX-4, ConnectX-5, ConnectX-6 and ConnectX-7 Driver	mlnx-ofa_kernel- 24.10-	100GbE 1p QSFP28 MCX515A-CCAT Adptr	24.10- 0.7.0.1	24.10- OFED.24.10.0.

	for Red Hat Enterprise Linux 8 Update 9 (x86_64)	OFED.24.10.0.7.0.1.rhel8u9.x86_64.rpm			7.0.1.rhel8u9
162	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
163	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
164	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
165	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
166	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
167	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
168	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
169	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
170	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
171	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
172	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
173	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
174	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 NDR/EN 400G 1p OSFP Adptr	24.10-0.7.0.1	24.10-OFED.24.10.0.7.0.1.rhel9u4
175	Mellanox RoCE ConnectX-4, ConnectX-5, ConnectX-6 and ConnectX-7 Driver	mlnx-ofa_kernel-24.10-	IB NDR200/EN 200G 1p OSFP Adptr	24.10-0.7.0.1	24.10-OFED.24.10.0.

	for Red Hat Enterprise Linux 9 Update 4 (x86_64)	OFED.24.10.0.7.0.1.rhel9u4.x86_64.rpm			7.0.1.rhel9u4
176	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
177	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
178	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
179	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
180	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
181	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 NDR/EN 400G 1p OSFP Adptr	24.10-0.7.0.1	24.10-OFED.24.10.0.7.0.1.rhel9u4
182	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
183	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
184	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
185	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
186	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
187	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
188	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
189	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
190	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
191	Intel ice Drivers for Red Hat Enterprise	kmod-ice-1.15.4-	Intel E810-XXVDA2	1.15.4-1	1.15.4-

	Linux 8	1.rhel8u10.x86_64.rpm	adapter		1.rhel8u10
192	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
193	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
194	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
195	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
196	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
197	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
198	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
199	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
200	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
201	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
202	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
203	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 SFP28 Adapter	1.15.4-1 (B)	1.15.4-1.rhel9u4
204	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
205	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
206	Intel ica Driver for Microsoft Windows Server 2022	cp064926.exe	Intel E810-XXVDA2 adapter	1.15.121.0 (C)	1.15.121.0
207	Intel ica Driver for Microsoft Windows Server 2022	cp064926.exe	Intel E810-XXVDA2 OCP3 adapter	1.15.121.0 (C)	1.15.121.0
208	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
209	Intel ica Driver for Microsoft Windows Server 2025	cp065620.exe	Intel E810-CQDA2 Ethernet 100Gb 2-	1.15.302.0 (B)	1.15.302.0

			port QSFP28 Adapter		
210	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
211	Intel ica Driver for Microsoft Windows Server 2025	cp065620.exe	Intel E810-XXVDA2 adapter	1.15.302.0 (B)	1.15.302.0
212	Intel ica Driver for Microsoft Windows Server 2025	cp065620.exe	Intel E810-XXVDA2 OCP3 adapter	1.15.302.0 (B)	1.15.302.0
213	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
214	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
215	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
216	Intel ica Driver for Windows Server 2019	cp061669.exe	Intel E810-XXVDA2 adapter	1.15.121.0	1.15.121.0
217	Intel ica Driver for Windows Server 2019	cp061669.exe	Intel E810-XXVDA2 OCP3 adapter	1.15.121.0	1.15.121.0
218	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
219	Intel icen Driver for VMware vSphere 8.0	cp065675.zip	Intel E810-CQDA2 Ethernet 100Gb 2-port QSFP28 Adapter	2025.03.00	1.15.2.0-10EM.800.1.0.20613240
220	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
221	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
222	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
223	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
224	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
225	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
226	Intel icen Driver for VMware vSphere 9.0	cp065336.zip	Intel E810-XXVDA2 adapter	2025.03.00	2025.03.00
227	Intel icen Driver for VMware vSphere 9.0	cp065336.zip	Intel E810-XXVDA2 OCP3 adapter	2025.03.00	2025.03.00
228	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

229	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
230	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
231	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
232	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
233	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
234	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
235	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
236	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
237	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—Security

No.	Description	Package filename	Device	Package Version	Firmware/Driver version
238	Intel QuickAssist Technology driver for Microsoft Windows	cp065115.exe	-	2.3.0.6 (C)	2.3.0.6

Driver--Storage Controller

No.	Description	Package filename	Device	Package Version	Firmware/Driver version
239	MR416i-p, MR216i-p, MR416i-a, MR216i-a HA800 G2 and MR416i-p, MR416i-o, MR216i-o, MR408i-o, MR216i-p, MR408i-p HA800 G3 controller Driver for 64-bit Red Hat Enterprise Linux 8	kmod-megaraid_sas-07.730.01.00_rhel8u9-2.x86_64.rpm	MR416i-o_HA800 G3	07.730.01.00	07.730.01.00_rhel8u9-2
240	MR416i-p, MR216i-p, MR416i-a, MR216i-a HA800 G2 and MR416i-p,	kmod-megaraid_sas-07.730.01.00_rhel8u9	MR416i-p_HA800 G3	07.730.01.00	07.730.01.00_rhel8u9-2

	MR416i-o, MR216i-o, MR408i-o, MR216i-p, MR408i-p HA800 G3 controller Driver for 64-bit Red Hat Enterprise Linux 8	-2.x86_64.rpm			
241	MR416i-p, MR216i-p, MR416i-a, MR216i-a HA800 G2 and MR416i-p, MR416i-o, MR216i-o, MR408i-o, MR216i-p, MR408i-p HA800 G3 controller Driver for 64-bit Red Hat Enterprise Linux 8	kmod-megaraid_sas-07.730.01.00_rhel8u9-2.x86_64.rpm	MR216i-o_HA800 G3	07.730.01.00	07.730.01.00_rhel8u9-2
242	MR416i-p, MR216i-p, MR416i-a, MR216i-a HA800 G2 and MR416i-p, MR416i-o, MR216i-o, MR408i-o, MR216i-p, MR408i-p HA800 G3 controller Driver for 64-bit Red Hat Enterprise Linux 8	kmod-megaraid_sas-07.730.01.00_rhel8u9-2.x86_64.rpm	MR408i-o_HA800 G3	07.730.01.00	07.730.01.00_rhel8u9-2
243	MR416i-p, MR216i-p, MR416i-a, MR216i-a HA800 G2 and MR416i-p, MR416i-o, MR216i-o, MR408i-o, MR216i-p, MR408i-p HA800 G3 controller Driver for 64-bit Red Hat Enterprise Linux 8	kmod-megaraid_sas-07.730.01.00_rhel8u9-2.x86_64.rpm	MR216i-p_HA800 G3	07.730.01.00	07.730.01.00_rhel8u9-2
244	MR416i-p, MR216i-p, MR416i-a, MR216i-a HA800 G2 and MR416i-p, MR416i-o, MR216i-o, MR408i-o, MR216i-p, MR408i-p HA800 G3 controller Driver for 64-bit Red Hat Enterprise Linux 8	kmod-megaraid_sas-07.730.01.00_rhel8u9-2.x86_64.rpm	MR408i-p_HA800 G3	07.730.01.00	07.730.01.00_rhel8u9-2
245	MR416i-p, MR216i-p, MR416i-a, MR216i-a HA800 G2 and MR416i-p, MR416i-o, MR216i-o, MR408i-o, MR216i-p, MR408i-p HA800 G3 controller Driver for 64-bit Red Hat Enterprise Linux 9	kmod-megaraid_sas-07.730.01.00_rhel9u4-2.x86_64.rpm	MR416i-o_HA800 G3	07.730.01.00 (B)	07.730.01.00_rhel9u4-2
246	MR416i-p, MR216i-p, MR416i-a, MR216i-a HA800 G2 and MR416i-p, MR416i-o, MR216i-o, MR408i-o, MR216i-p, MR408i-p HA800 G3 controller Driver for 64-bit Red Hat Enterprise Linux 9	kmod-megaraid_sas-07.730.01.00_rhel9u4-2.x86_64.rpm	MR416i-p_HA800 G3	07.730.01.00 (B)	07.730.01.00_rhel9u4-2
247	MR416i-p, MR216i-p, MR416i-a, MR216i-a HA800 G2 and MR416i-p, MR416i-o, MR216i-o, MR408i-o, MR216i-p, MR408i-p HA800 G3 controller Driver for 64-bit Red Hat Enterprise Linux 9	kmod-megaraid_sas-07.730.01.00_rhel9u4-2.x86_64.rpm	MR216i-o_HA800 G3	07.730.01.00 (B)	07.730.01.00_rhel9u4-2
248	MR416i-p, MR216i-p, MR416i-a, MR216i-a HA800 G2 and MR416i-p, MR416i-o, MR216i-o, MR408i-o, MR216i-p, MR408i-p HA800 G3 controller Driver for 64-bit Red Hat Enterprise Linux 9	kmod-megaraid_sas-07.730.01.00_rhel9u4-2.x86_64.rpm	MR408i-o_HA800 G3	07.730.01.00 (B)	07.730.01.00_rhel9u4-2
249	MR416i-p, MR216i-p, MR416i-a, MR216i-a HA800 G2 and MR416i-p, MR416i-o, MR216i-o, MR408i-o, MR216i-p, MR408i-p HA800 G3	kmod-megaraid_sas-07.730.01.00_rhel9u4-2.x86_64.rpm	MR216i-p_HA800 G3	07.730.01.00 (B)	07.730.01.00_rhel9u4-2

	controller Driver for 64-bit Red Hat Enterprise Linux 9				
250	MR416i-p, MR216i-p, MR416i-a, MR216i-a HA800 G2 and MR416i-p, MR416i-o, MR216i-o, MR408i-o, MR216i-p, MR408i-p HA800 G3 controller Driver for 64-bit Red Hat Enterprise Linux 9	kmod-megaraid_sas-07.730.01.00_rhel9u4-2.x86_64.rpm	MR408i-p_HA800 G3	07.730.01.00 (B)	07.730.01.00_rhel9u4-2
251	MR416i-p, MR416i-a, MR216i-p, MR216i-a HA800 Controller and MR416i-o, MR416i-p, MR216i-o, MR216i-p, MR408i-o , MR408i-p HA800 G3 controllers Driver for Microsoft Windows 2019 edition	cp063729.exe	MR416i-o_HA800 G3	7.730.2.0	7.730.2.0
252	MR416i-p, MR416i-a, MR216i-p, MR216i-a HA800 Controller and MR416i-o, MR416i-p, MR216i-o, MR216i-p, MR408i-o , MR408i-p HA800 G3 controllers Driver for Microsoft Windows 2019 edition	cp063729.exe	MR416i-p_HA800 G3	7.730.2.0	7.730.2.0
253	MR416i-p, MR416i-a, MR216i-p, MR216i-a HA800 Controller and MR416i-o, MR416i-p, MR216i-o, MR216i-p, MR408i-o , MR408i-p HA800 G3 controllers Driver for Microsoft Windows 2019 edition	cp063729.exe	MR216i-o_HA800 G3	7.730.2.0	7.730.2.0
254	MR416i-p, MR416i-a, MR216i-p, MR216i-a HA800 Controller and MR416i-o, MR416i-p, MR216i-o, MR216i-p, MR408i-o , MR408i-p HA800 G3 controllers Driver for Microsoft Windows 2019 edition	cp063729.exe	MR408i-o_HA800 G3	7.730.2.0	7.730.2.0
255	MR416i-p, MR416i-a, MR216i-p, MR216i-a HA800 Controller and MR416i-o, MR416i-p, MR216i-o, MR216i-p, MR408i-o , MR408i-p HA800 G3 controllers Driver for Microsoft Windows 2019 edition	cp063729.exe	MR216i-p_HA800 G3	7.730.2.0	7.730.2.0
256	MR416i-p, MR416i-a, MR216i-p, MR216i-a HA800 Controller and MR416i-o, MR416i-p, MR216i-o, MR216i-p, MR408i-o , MR408i-p HA800 G3 controllers Driver for Microsoft Windows 2019 edition	cp063729.exe	MR408i-p_HA800 G3	7.730.2.0	7.730.2.0
257	MR416i-p, MR416i-a, MR216i-p, MR216i-a HA800 Controller and MR416i-o, MR416i-p, MR216i-o, MR216i-p, MR408i-o , MR408i-p HA800 G3 controllers driver for Microsoft Windows 2025 edition	cp065468.exe	MR416i-o_HA800 G3	7.730.2.0 (B)	7.730.2.0
258	MR416i-p, MR416i-a, MR216i-p, MR216i-a HA800 Controller and MR416i-o, MR416i-p, MR216i-o, MR216i-p, MR408i-o , MR408i-p HA800 G3 controllers driver for Microsoft Windows 2025 edition	cp065468.exe	MR416i-p_HA800 G3	7.730.2.0 (B)	7.730.2.0

259	MR416i-p, MR416i-a, MR216i-p, MR216i-a HA800 Controller and MR416i-o, MR416i-p, MR216i-o, MR216i-p, MR408i-o , MR408i-p HA800 G3 controllers driver for Microsoft Windows 2025 edition	cp065468.exe	MR216i-o_HA800 G3	7.730.2.0 (B)	7.730.2.0
260	MR416i-p, MR416i-a, MR216i-p, MR216i-a HA800 Controller and MR416i-o, MR416i-p, MR216i-o, MR216i-p, MR408i-o , MR408i-p HA800 G3 controllers driver for Microsoft Windows 2025 edition	cp065468.exe	MR408i-o_HA800 G3	7.730.2.0 (B)	7.730.2.0
261	MR416i-p, MR416i-a, MR216i-p, MR216i-a HA800 Controller and MR416i-o, MR416i-p, MR216i-o, MR216i-p, MR408i-o , MR408i-p HA800 G3 controllers driver for Microsoft Windows 2025 edition	cp065468.exe	MR216i-p_HA800 G3	7.730.2.0 (B)	7.730.2.0
262	MR416i-p, MR416i-a, MR216i-p, MR216i-a HA800 Controller and MR416i-o, MR416i-p, MR216i-o, MR216i-p, MR408i-o , MR408i-p HA800 G3 controllers driver for Microsoft Windows 2025 edition	cp065468.exe	MR408i-p_HA800 G3	7.730.2.0 (B)	7.730.2.0
263	MR416i-p, MR416i-o, MR216i-o, MR408i-o, MR216i-p, MR408i-p HA800 G2 and HA800 G3 controller (64-bit) Driver for vSphere 8.0	cp065469.zip	MR416i-o_HA800 G3	2025.01.01 (B)	7.730.01.00-10EM.800.1.0 .20613240
264	MR416i-p, MR416i-o, MR216i-o, MR408i-o, MR216i-p, MR408i-p HA800 G2 and HA800 G3 controller (64-bit) Driver for vSphere 8.0	cp065469.zip	MR416i-p_HA800 G3	2025.01.01 (B)	7.730.01.00-10EM.800.1.0 .20613240
265	MR416i-p, MR416i-o, MR216i-o, MR408i-o, MR216i-p, MR408i-p HA800 G2 and HA800 G3 controller (64-bit) Driver for vSphere 8.0	cp065469.zip	MR216i-o_HA800 G3	2025.01.01 (B)	7.730.01.00-10EM.800.1.0 .20613240
266	MR416i-p, MR416i-o, MR216i-o, MR408i-o, MR216i-p, MR408i-p HA800 G2 and HA800 G3 controller (64-bit) Driver for vSphere 8.0	cp065469.zip	MR408i-o_HA800 G3	2025.01.01 (B)	7.730.01.00-10EM.800.1.0 .20613240
267	MR416i-p, MR416i-o, MR216i-o, MR408i-o, MR216i-p, MR408i-p HA800 G2 and HA800 G3 controller (64-bit) Driver for vSphere 8.0	cp065469.zip	MR216i-p_HA800 G3	2025.01.01 (B)	7.730.01.00-10EM.800.1.0 .20613240
268	MR416i-p, MR416i-o, MR216i-o, MR408i-o, MR216i-p, MR408i-p HA800 G2 and HA800 G3 controller (64-bit) Driver for vSphere 8.0	cp065469.zip	MR408i-p_HA800 G3	2025.01.01 (B)	7.730.01.00-10EM.800.1.0 .20613240
269	HA800 Smart Array and HA800 G2 and HA800 G3 Smart RAID Controller Driver for VMware vSphere 8.0 (Driver Component).	cp062918.zip	Smart Array E208e-p SR HA800 Controller	2025.02.01	80.4704.0.108 - 10EM.800.1.0 .20613240
270	HA800 Smart Array and HA800 G2 and HA800 G3 Smart RAID Controller Driver for VMware vSphere 8.0 (Driver Component).	cp062918.zip	SR932i-p HA800 G3	2025.02.01	80.4704.0.108 - 10EM.800.1.0 .20613240

271	HA800, HA800 G2 and HA800 G3 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 HA800 Controller	2.1.32-035	2.1.32-035.rhel8u9
272	HA800, HA800 G2 and HA800 G3 Smart Array Controller (64-bit) Driver for Red Hat Enterprise Linux 8 (64-bit)	kmod-smartpqi-2.1.32-035.rhel8u9.x86_64.rpm	SR932i-p HA800 G3	2.1.32-035	2.1.32-035.rhel8u9
273	HA800, HA800 G2 and HA800 G3 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 HA800 Controller	2.1.32-035	2.1.32-035.rhel8u10
274	HA800, HA800 G2 and HA800 G3 Smart Array Controller (64-bit) Driver for Red Hat Enterprise Linux 8 (64-bit)	kmod-smartpqi-2.1.32-035.rhel8u10.x86_64.rpm	SR932i-p HA800 G3	2.1.32-035	2.1.32-035.rhel8u10
275	HA800, HA800 G2 and HA800 G3 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 HA800 Controller	2.1.32-035	2.1.32-035.rhel9u4
276	HA800, HA800 G2 and HA800 G3 Smart Array Controller (64-bit) Driver for Red Hat Enterprise Linux 9 (64-bit)	kmod-smartpqi-2.1.32-035.rhel9u4.x86_64.rpm	SR932i-p HA800 G3	2.1.32-035	2.1.32-035.rhel9u4
277	Smart Array HA800, HA800 G2 and HA800 G3 Controller Driver for Windows Server 2019, Windows Server 2022 and Windows Server 2025	cp062903.exe	Smart Array E208e-p SR HA800 Controller	1016.10.0.1004	1016.10.0.1004
278	Smart Array HA800, HA800 G2 and HA800 G3 Controller Driver for Windows Server 2019, Windows Server 2022 and Windows Server 2025	cp062903.exe	SR932i-p HA800 G3	1016.10.0.1004	1016.10.0.1004
279	MR416i-p, MR416i-a, MR216i-p, MR216i-a HA800 Controller and MR416i-o, MR416i-p, MR216i-o, MR216i-p, MR408i-o , MR408i-p HA800 G3 controllers driver for Microsoft Windows 2022 edition	cp065467.exe	MR416i-o_HA800 G3	7.730.2.0 (B)	7.730.2.0
280	MR416i-p, MR416i-a, MR216i-p, MR216i-a HA800 Controller and MR416i-o, MR416i-p, MR216i-o, MR216i-p, MR408i-o , MR408i-p HA800 G3 controllers driver for Microsoft Windows 2022 edition	cp065467.exe	MR416i-p_HA800 G3	7.730.2.0 (B)	7.730.2.0
281	MR416i-p, MR416i-a, MR216i-p, MR216i-a HA800 Controller and MR416i-o, MR416i-p, MR216i-o, MR216i-p, MR408i-o , MR408i-p HA800 G3 controllers driver for Microsoft Windows 2022 edition	cp065467.exe	MR216i-o_HA800 G3	7.730.2.0 (B)	7.730.2.0
282	MR416i-p, MR416i-a, MR216i-p, MR216i-a HA800 Controller and MR416i-o, MR416i-p, MR216i-o, MR216i-p, MR408i-o , MR408i-p HA800 G3 controllers driver for Microsoft Windows 2022 edition	cp065467.exe	MR408i-o_HA800 G3	7.730.2.0 (B)	7.730.2.0

283	MR416i-p, MR416i-a, MR216i-p, MR216i-a HA800 Controller and MR416i-o, MR416i-p, MR216i-o, MR216i-p, MR408i-o , MR408i-p HA800 G3 controllers driver for Microsoft Windows 2022 edition	cp065467.exe	MR216i-p_HA800 G3	7.730.2.0 (B)	7.730.2.0
284	MR416i-p, MR416i-a, MR216i-p, MR216i-a HA800 Controller and MR416i-o, MR416i-p, MR216i-o, MR216i-p, MR408i-o , MR408i-p HA800 G3 controllers driver for Microsoft Windows 2022 edition	cp065467.exe	MR408i-p_HA800 G3	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
285	Storage Fibre Channel Adapter Kit for the x64 Emulex Storport Driver for Microsoft Windows Server 2019	cp065411.exe	SN1700E 64Gb Dual Port Fibre Channel Host Bus Adapter	14.4.393.20	14.4.393.20
286	Storage Fibre Channel Adapter Kit for the x64 Emulex Storport Driver for Microsoft Windows Server 2019	cp065411.exe	SN1700E 64Gb Single Port Fibre Channel Host Bus Adapter	14.4.393.20	14.4.393.20
287	Storage Fibre Channel Adapter Kit for the x64 Emulex Storport Driver for Microsoft Windows Server 2019	cp065411.exe	SN1610E 32Gb 1-port Fibre Channel Host Bus Adapter	14.4.393.20	14.4.393.20
288	Storage Fibre Channel Adapter Kit for the x64 Emulex Storport Driver for Microsoft Windows Server 2019	cp065411.exe	SN1610E 32Gb 2-port Fibre Channel Host Bus Adapter	14.4.393.20	14.4.393.20
289	Storage Fibre Channel Adapter Kit for the x64 Emulex Storport Driver for Microsoft Windows Server 2022	cp063399.exe	SN1700E 64Gb Dual Port Fibre Channel Host Bus Adapter	14.4.393.20	14.4.393.20
290	Storage Fibre Channel Adapter Kit for the x64 Emulex Storport Driver for Microsoft Windows Server 2022	cp063399.exe	SN1700E 64Gb Single Port Fibre Channel Host Bus Adapter	14.4.393.20	14.4.393.20
291	Storage Fibre Channel Adapter Kit for the x64 Emulex Storport Driver for Microsoft Windows Server 2022	cp063399.exe	SN1610E 32Gb 1-port Fibre Channel Host Bus Adapter	14.4.393.20	14.4.393.20
292	Storage Fibre Channel Adapter Kit for the x64 Emulex Storport Driver for Microsoft Windows Server 2022	cp063399.exe	SN1610E 32Gb 2-port Fibre Channel Host Bus Adapter	14.4.393.20	14.4.393.20
293	Storage Fibre Channel Adapter Kit for the x64 Emulex Storport Driver for Microsoft Windows Server 2025	cp063400.exe	SN1700E 64Gb Dual Port Fibre Channel Host Bus Adapter	14.4.393.20	14.4.393.20
294	Storage Fibre Channel Adapter Kit for the x64 Emulex Storport Driver for Microsoft Windows Server 2025	cp063400.exe	SN1700E 64Gb Single Port Fibre Channel Host Bus Adapter	14.4.393.20	14.4.393.20
295	Storage Fibre Channel Adapter Kit for the x64 Emulex Storport Driver for	cp063400.exe	SN1610E 32Gb 1-port Fibre Channel Host	14.4.393.20	14.4.393.20

	Microsoft Windows Server 2025		Bus Adapter		
296	Storage Fibre Channel Adapter Kit for the x64 Emulex Storport Driver for Microsoft Windows Server 2025	cp063400.exe	SN1610E 32Gb 2-port Fibre Channel Host Bus Adapter	14.4.393.20	14.4.393.20
297	Storage Fibre Channel Adapter Kit for the x64 QLogic Storport Driver for Microsoft Windows Server 2019	cp065410.exe	SN1610Q 32Gb 1-port Fibre Channel Host Bus Adapter	9.4.11.20	9.4.11.20
298	Storage Fibre Channel Adapter Kit for the x64 QLogic Storport Driver for Microsoft Windows Server 2019	cp065410.exe	SN1610Q 32Gb 2-port Fibre Channel Host Bus Adapter	9.4.11.20	9.4.11.20
299	Storage Fibre Channel Adapter Kit for the x64 QLogic Storport Driver for Microsoft Windows Server 2022	cp064036.exe	SN1610Q 32Gb 1-port Fibre Channel Host Bus Adapter	9.4.11.20	9.4.11.20
300	Storage Fibre Channel Adapter Kit for the x64 QLogic Storport Driver for Microsoft Windows Server 2022	cp064036.exe	SN1610Q 32Gb 2-port Fibre Channel Host Bus Adapter	9.4.11.20	9.4.11.20
301	Storage Fibre Channel Adapter Kit for the x64 QLogic Storport Driver for Microsoft Windows Server 2025	cp064037.exe	SN1610Q 32Gb 1-port Fibre Channel Host Bus Adapter	9.4.11.20	9.4.11.20
302	Storage Fibre Channel Adapter Kit for the x64 QLogic Storport Driver for Microsoft Windows Server 2025	cp064037.exe	SN1610Q 32Gb 2-port Fibre Channel Host Bus Adapter	9.4.11.20	9.4.11.20
303	Red Hat Enterprise Linux 8 Update 10 Server Fibre Channel Driver Kit for Emulex Host Bus Adapters	kmod-elx-lpfc-14.4.329.9-1.rhel8u10.x86_64.rpm	SN1700E 64Gb Dual Port Fibre Channel Host Bus Adapter	14.4.329.9	14.4.329.9-1.rhel8u10
304	Red Hat Enterprise Linux 8 Update 10 Server Fibre Channel Driver Kit for Emulex Host Bus Adapters	kmod-elx-lpfc-14.4.329.9-1.rhel8u10.x86_64.rpm	SN1700E 64Gb Single Port Fibre Channel Host Bus Adapter	14.4.329.9	14.4.329.9-1.rhel8u10
305	Red Hat Enterprise Linux 8 Update 10 Server Fibre Channel Driver Kit for 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
306	Red Hat Enterprise Linux 8 Update 10 Server Fibre Channel Driver Kit for 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
307	Red Hat Enterprise Linux 8 Update 10 Server Fibre Channel Driver Kit for 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
308	Red Hat Enterprise Linux 8 Update 10 Server Fibre Channel Driver Kit for 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
309	Red Hat Enterprise Linux 8 Update 9 Server Fibre Channel Driver Kit for Emulex Host Bus Adapters	kmod-elx-lpfc-14.4.329.9-1.rhel8u9.x86_64.rpm	SN1700E 64Gb Dual Port Fibre Channel Host Bus Adapter	14.4.329.9	14.4.329.9-1.rhel8u9
310	Red Hat Enterprise Linux 8 Update 9 Server Fibre Channel Driver Kit for Emulex Host Bus Adapters	kmod-elx-lpfc-14.4.329.9-1.rhel8u9.x86_64.rpm	SN1700E 64Gb Single Port Fibre Channel Host Bus Adapter	14.4.329.9	14.4.329.9-1.rhel8u9
311	Red Hat Enterprise Linux 8 Update 9 Server Fibre Channel Driver Kit for	kmod-elx-lpfc-14.4.329.9-	SN1610E 32Gb 1-port Fibre Channel Host	14.4.329.9	14.4.329.9-1.rhel8u9

	Emulex Host Bus Adapters	1.rhel8u9.x86_64.rpm	Bus Adapter		
312	Red Hat Enterprise Linux 8 Update 9 Server Fibre Channel Driver Kit for Emulex Host Bus Adapters	kmod-elx-lpfc-14.4.329.9-1.rhel8u9.x86_64.rpm	SN1610E 32Gb 2-port Fibre Channel Host Bus Adapter	14.4.329.9	14.4.329.9-1.rhel8u9
313	Red Hat Enterprise Linux 8 Update 9 Server Fibre Channel Driver Kit for QLogic Host Bus Adapter	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
314	Red Hat Enterprise Linux 8 Update 9 Server Fibre Channel Driver Kit for QLogic Host Bus Adapter	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
315	Red Hat Enterprise Linux 9 Update 4 Server Fibre Channel Driver Kit for Emulex Host Bus Adapters	kmod-elx-lpfc-14.4.329.9-1.rhel9u4.x86_64.rpm	SN1700E 64Gb Dual Port Fibre Channel Host Bus Adapter	14.4.329.9	14.4.329.9-1.rhel9u4
316	Red Hat Enterprise Linux 9 Update 4 Server Fibre Channel Driver Kit for Emulex Host Bus Adapters	kmod-elx-lpfc-14.4.329.9-1.rhel9u4.x86_64.rpm	SN1700E 64Gb Single Port Fibre Channel Host Bus Adapter	14.4.329.9	14.4.329.9-1.rhel9u4
317	Red Hat Enterprise Linux 9 Update 4 Server Fibre Channel Driver Kit for 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
318	Red Hat Enterprise Linux 9 Update 4 Server Fibre Channel Driver Kit for 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
319	Red Hat Enterprise Linux 9 Update 4 Server Fibre Channel Driver Kit for 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
320	Red Hat Enterprise Linux 9 Update 4 Server Fibre Channel Driver Kit for 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
321	Broadcom PCIe Switch Management Driver for Microsoft Windows Server 2019	cp060564.exe	-	2.61.54.0 (B)	2.61.54.0
322	iLO 6 Automatic Server Recovery Driver for Microsoft Windows Server 2019	cp059558.exe	-	4.7.1.0 (D)	4.7.1.0
323	iLO 6 Automatic Server Recovery Driver for Microsoft Windows Server 2022	cp065117.exe	-	4.7.1.0 (G)	4.7.1.0
324	iLO 6 Automatic Server Recovery Driver for Microsoft Windows Server 2025	cp065513.exe	-	4.7.2.0 (C)	4.7.2.0
325	iLO 6 Channel Interface Driver for	cp059557.exe	-	4.7.1.0 (D)	4.7.1.0

	Microsoft Windows Server 2019				
326	iLO 6 Channel Interface Driver for Microsoft Windows Server 2022	cp065116.exe	-	4.7.1.0 (G)	4.7.1.0
327	iLO 6 Channel Interface Driver for Microsoft Windows Server 2025	cp065512.exe	-	4.7.2.0 (C)	4.7.2.0

Driver--Video

No.	Description	Package filename	Device	Package Version	Firmware/Driver version
328	Matrox G200eH3 Video Controller Driver for Microsoft Windows Server 2019, 2022 and 2025	cp065118.exe	-	9.15.1.268 (C)	9.15.1.268

Firmware--Lights-Out Management

No.	Description	Package filename	Device	Package Version	Firmware/Driver version
329	Language Pack - Japanese	firmware-ilo6-lpk-jari11-1.66-1.1.x86_64.rpm	-	1.66 (A)	1.66.05
330	Online Flash Component for Windows x64 - Integrated Lights-Out 6 Japanese Language Pack	cp066100.exe	-	1.66 (A)	1.66.05 Mar 06 2025
331	Online ROM Flash Component for Linux - iLO 6	firmware-ilo6-1.67-1.1.x86_64.rpm	-	1.67	1.67 Feb 27 2025
332	Online ROM Flash Component for Windows x64 - iLO 6	cp064945.exe	-	1.67	1.67 Feb 27 2025
333	Online ROM Flash Firmware Package - iLO 6	ilo6_167.fwpkg	-	1.67	1.67 Feb 27 2025

Firmware—Network

No.	Description	Package filename	Device	Package Version	Firmware/Driver version
334	Broadcom Firmware Package for BCM5741x adapters	bcm232.1.132.8.pup.fwpkg	BCM 57414 10/25GbE 2p SFP28 Adptr	232.1.132.8	232.1.132.8
335	Broadcom Firmware Package for BCM5741x adapters	bcm232.1.132.8.pup.fwpkg	BCM 57414 10/25GbE 2p SFP28 OCP3 Adptr	232.1.132.8	232.1.132.8
336	Broadcom Firmware Package for BCM5741x adapters	bcm232.1.132.8.pup.fwpkg	BCM 57416 10GbE 2p BASE-T Adptr	232.1.132.8	232.1.132.8
337	Broadcom Firmware Package for BCM5741x adapters	bcm232.1.132.8.pup.fwpkg	BCM 57416 10GbE 2p BASE-T OCP3 Adptr	232.1.132.8	232.1.132.8
338	Broadcom Firmware Package for BCM5741x adapters	bcm232.1.132.8.pup.fwpkg	BCM 57412 10GbE 2p SFP+ Adptr	232.1.132.8	232.1.132.8
339	Broadcom Firmware Package for BCM5741x adapters	bcm232.1.132.8.pup.fwpkg	BCM 57412 10GbE 2p SFP+ OCP3 Adptr	232.1.132.8	232.1.132.8

340	Broadcom Firmware Package for BCM5750x adapters	bcm232.1.132.8_Thor.pup.fwpkg	BCM 57504 10/25GbE 4p SFP28 Adptr	232.1.132.8	232.1.132.8
341	Broadcom Firmware Package for BCM5750x adapters	bcm232.1.132.8_Thor.pup.fwpkg	BCM 57504 10/25GbE 4p SFP28 OCP3 Adptr	232.1.132.8	232.1.132.8
342	Broadcom Firmware Package for BCM57608 100GbE 2p Adapter	BCM232.1.132.8_BC M957608-P2100HQF00.fwpkg	Broadcom NetXtreme-E BCM57608 100GbE 2p QSFP112 Adptr	232.1.132.8 (B)	232.1.132.8
343	Broadcom Firmware Package for BCM57608 100GbE 2p OCP3 Adapter	BCM232.1.132.8_BC M957608-N2100HQI00.fwpkg	Broadcom NetXtreme-E BCM57608 100GbE QSFP112 OCP3 Adptr	232.1.132.8 (B)	232.1.132.8
344	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
345	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
346	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
347	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
348	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
349	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
350	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
351	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
352	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
353	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
354	Intel Firmware Package For E810-CQDA2 Ethernet 100Gb 2-port QSFP28 OCP3 Adapter	HPE_E810_CQDA2_OC P_4p60_NCSlwPLDMoMCTP_8001E8B5.fwpkg	Intel E810-CQDA2 Ethernet 100Gb 2-port QSFP28 OCP3 Adapter	4.60 (B)	4.60
355	Intel Firmware Package For E810-XXVDA2 Ethernet 10/25Gb 2-port SFP28 Adapter	HPE_E810_XXVDA2_S D_4p60_PLDMoMCTP_8001E8B3.fwpkg	Intel E810-XXVDA2 adapter	4.60 (B)	4.60
356	Intel Firmware Package For E810-XXVDA2 Ethernet 10/25Gb 2-port SFP28 OCP3 Adapter	HPE_E810_XXVDA2_S D_OCP_4p60_NCSlwPLDMoMCTP_8001E8B0.fwpkg	Intel E810-XXVDA2 OCP3 adapter	4.60 (B)	4.60
357	Intel Firmware Package For E810-XXVDA4 Ethernet 10/25Gb 4-port SFP28 Adapter	HPE_E810_XXVDA4_F H_4p60_PLDMoMCTP_8001E8B2.fwpkg	Intel E810-XXVDA4 Ethernet 10/25Gb 4-port SFP28 Adapter	4.60 (B)	4.60

358	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
359	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
360	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
361	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
362	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
363	Intel Online Firmware Upgrade Utility for Windows Server x64 Editions	cp065128.exe	Intel I350-T4 Ethernet 1Gb 4-port BASE-T OCP3 Adapter	5.4.3.0 (B)	1.3682.0
364	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
365	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
366	Mellanox Firmware Package (FWPKG) for Ethernet 100Gb 1-port QSFP28 PCIe3 x16 MCX515A-CCAT Adapter	16_35_4030-MCX515A-CCA_HPE_Ax.pldm.fw pkg	100GbE 1p QSFP28 MCX515A-CCAT Adptr	16.35.4030	16.35.4030
367	Mellanox Firmware Package (FWPKG) for InfiniBand HDR100/Ethernet 100Gb 2-port QSFP56 PCIe4 x16 MCX653106A-ECAT Adapter	20_43_1014-MCX653106A-ECA_HPE_Ax.pldm.fw pkg	IB HDR100/EN 100Gb 2p QSFP56 Adptr	20.43.1014	20.43.1014
368	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
369	NVIDIA Firmware Package (FWPKG) for InfiniBand NDR 1-port OSFP PCIe5 x16 MCX75310AAS-NEAT Adapter	28_44_1036-MCX75310AAS-NEAT_HPE_Ax_Ax.pldm.fw pkg	IB NDR 1p OSFP MCX75310AAS Adptr	28.44.1036	28.44.1036
370	NVIDIA Firmware Package (FWPKG) for InfiniBand NDR/Ethernet 400Gb 1-port OSFP PCIe5 x16 MCX75310AAS-NEAT Adapter	28_44_1036-MCX75310AAS-NEAT_HPE2_Ax.pldm.fw pkg	IB NDR/EN 400G 1p OSFP Adptr	28.44.1036	28.44.1036
371	NVIDIA Firmware Package (FWPKG) for InfiniBand NDR200/Ethernet 200Gb 1-port OSFP PCIe5 x16 MCX75310AAS-HEAT Adapter	28_44_1036-MCX75310AAS-HEAT_HPE2_Ax.pldm.fw pkg	IB NDR200/EN 200G 1p OSFP Adptr	28.44.1036	28.44.1036

Firmware--PCIe NVMe Storage Disk

No.	Description	Package filename	Device	Package Version	Firmware/Driver version
372	Universal Firmware Package for Drives - VR000480KXNXE,VR000960KXNZU and VS001920KXNXF	Micron_7450_M7450 ALLHPK4.fwpkg	VR000480KXNXE	HPK4	HPK4
373	Universal Firmware Package for Drives - VR000480KXNXE,VR000960KXNZU and VS001920KXNXF	Micron_7450_M7450 ALLHPK4.fwpkg	VR000960KXNZU	HPK4	HPK4
374	Universal Firmware Package for Drives - VR000480KXNXE,VR000960KXNZU and VS001920KXNXF	Micron_7450_M7450 ALLHPK4.fwpkg	VS001920KXNXF	HPK4	HPK4
375	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
376	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
377	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	KCD6XVUL1T60	GPK7 (G)	GPK7
378	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
379	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
380	Online NVMe SSD Flash Component for Linux (x64) - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and	firmware-hdd-6fc985bd3b-GPK7-7.1.x86_64.rpm	KCD6XLUL960G	GPK7 (G)	GPK7

	KCD6XLUL15T3 Drives				
381	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	KCD6XLUL1T92	GPK7 (G)	GPK7
382	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
383	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
384	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
385	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
386	Online NVMe SSD Flash Component for Linux (x64) - KCM6FRUL1T92, KCM6FRUL3T84, KCM6FVUL1T60 and KCM6FVUL3T20 Drives	firmware-hdd-1a541ed00d-GPK5-7.1.x86_64.rpm	KCM6FRUL3T84	GPK5 (G)	GPK5
387	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
388	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
389	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
390	Online NVMe SSD Flash Component for Linux (x64) - KCM6XVUL800G, KCM6XVUL1T60, KCM6XVUL3T20, KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92, KCM6XRUL3T84 and	firmware-hdd-3815d4b024-GPK7-7.1.x86_64.rpm	KCM6XRUL7T68	GPK7 (G)	GPK7

	KCM6XRUL7T68 Drives				
391	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
392	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
393	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
394	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
395	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
396	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	KCM6XVUL1T60	GPK7 (G)	GPK7
397	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
398	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
399	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
400	Online NVMe SSD Flash Component for	firmware-hdd-	VO007680KYDNA	HPK6 (B)	HPK6

	Linux (x64) - VO001920KYDMT, VO003840KYDMV, MO001600KYDMU, MO003200KYDNC, MO006400KYDND, VO007680KYDNA and VO015360KYDNC Drives	a27c95663d-HPK6-2.1.x86_64.rpm			
401	Online NVMe SSD Flash Component for Linux (x64) - VO001920KYDMT, VO003840KYDMV, MO001600KYDMU, MO003200KYDNC, MO006400KYDND, VO007680KYDNA and VO015360KYDNC Drives	firmware-hdd-a27c95663d-HPK6-2.1.x86_64.rpm	MO003200KYDNC	HPK6 (B)	HPK6
402	Online NVMe SSD Flash Component for Linux (x64) - VO001920KYDMT, VO003840KYDMV, MO001600KYDMU, MO003200KYDNC, MO006400KYDND, VO007680KYDNA and VO015360KYDNC Drives	firmware-hdd-a27c95663d-HPK6-2.1.x86_64.rpm	VO001920KYDMT	HPK6 (B)	HPK6
403	Online NVMe SSD Flash Component for Linux (x64) - VO001920KYDMT, VO003840KYDMV, MO001600KYDMU, MO003200KYDNC, MO006400KYDND, VO007680KYDNA and VO015360KYDNC Drives	firmware-hdd-a27c95663d-HPK6-2.1.x86_64.rpm	VO003840KYDMV	HPK6 (B)	HPK6
404	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
405	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
406	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
407	Online NVMe SSD Flash Component for VMware ESXi - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives	CP065951.zip	KCD6XVUL800G	GPK7 (C)	GPK7
408	Online NVMe SSD Flash Component for VMware ESXi - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92,	CP065951.zip	KCD6XVUL3T20	GPK7 (C)	GPK7

	KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives				
409	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
410	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
411	Online NVMe SSD Flash Component for VMware ESXi - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives	CP065951.zip	KCD6XLUL1T92	GPK7 (C)	GPK7
412	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
413	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
414	Online NVMe SSD Flash Component for VMware ESXi - KCM6FRUL1T92, KCM6FRUL3T84, KCM6FVUL1T60 and KCM6FVUL3T20 Drives	CP065965.zip	KCM6FRUL1T92	GPK5 (C)	GPK5
415	Online NVMe SSD Flash Component for VMware ESXi - KCM6FRUL1T92, KCM6FRUL3T84, KCM6FVUL1T60 and KCM6FVUL3T20 Drives	CP065965.zip	KCM6FRUL3T84	GPK5 (C)	GPK5
416	Online NVMe SSD Flash Component for VMware ESXi - KCM6FRUL1T92, KCM6FRUL3T84, KCM6FVUL1T60 and KCM6FVUL3T20 Drives	CP065965.zip	KCM6FVUL3T20	GPK5 (C)	GPK5
417	Online NVMe SSD Flash Component for VMware ESXi - KCM6FRUL1T92, KCM6FRUL3T84, KCM6FVUL1T60 and KCM6FVUL3T20 Drives	CP065965.zip	KCM6FVUL1T60	GPK5 (C)	GPK5
418	Online NVMe SSD Flash Component for VMware ESXi - KCM6XVUL800G, KCM6XVUL1T60, KCM6XVUL3T20,	CP065953.zip	KCM6XRUL960G	GPK7 (C)	GPK7

	KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92, KCM6XRUL3T84 and KCM6XRUL7T68 Drives				
419	Online NVMe SSD Flash Component for VMware ESXi - KCM6XVUL800G, KCM6XVUL1T60, KCM6XVUL3T20, KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92, KCM6XRUL3T84 and KCM6XRUL7T68 Drives	CP065953.zip	KCM6XRUL7T68	GPK7 (C)	GPK7
420	Online NVMe SSD Flash Component for VMware ESXi - KCM6XVUL800G, KCM6XVUL1T60, KCM6XVUL3T20, KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92, KCM6XRUL3T84 and KCM6XRUL7T68 Drives	CP065953.zip	KCM6XRUL1T92	GPK7 (C)	GPK7
421	Online NVMe SSD Flash Component for VMware ESXi - KCM6XVUL800G, KCM6XVUL1T60, KCM6XVUL3T20, KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92, KCM6XRUL3T84 and KCM6XRUL7T68 Drives	CP065953.zip	KCM6XVUL3T20	GPK7 (C)	GPK7
422	Online NVMe SSD Flash Component for VMware ESXi - KCM6XVUL800G, KCM6XVUL1T60, KCM6XVUL3T20, KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92, KCM6XRUL3T84 and KCM6XRUL7T68 Drives	CP065953.zip	KCM6XRUL3T84	GPK7 (C)	GPK7
423	Online NVMe SSD Flash Component for VMware ESXi - KCM6XVUL800G, KCM6XVUL1T60, KCM6XVUL3T20, KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92, KCM6XRUL3T84 and KCM6XRUL7T68 Drives	CP065953.zip	KCM6XVUL800G	GPK7 (C)	GPK7
424	Online NVMe SSD Flash Component for VMware ESXi - KCM6XVUL800G, KCM6XVUL1T60, KCM6XVUL3T20, KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92, KCM6XRUL3T84 and KCM6XRUL7T68 Drives	CP065953.zip	KCM6XVUL6T40	GPK7 (C)	GPK7
425	Online NVMe SSD Flash Component for VMware ESXi - KCM6XVUL800G, KCM6XVUL1T60, KCM6XVUL3T20, KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92, KCM6XRUL3T84 and KCM6XRUL7T68 Drives	CP065953.zip	KCM6XVUL1T60	GPK7 (C)	GPK7
426	Online NVMe SSD Flash Component for VMware ESXi - VO001920KYDMT, VO003840KYDMV, MO001600KYDMU, MO003200KYDNC, MO006400KYDND, VO007680KYDNA and VOO15360KYDNB Drives	CP065946.zip	VO001920KYDMT	HPK6 (B)	HPK6
427	Online NVMe SSD Flash Component for VMware ESXi - VO001920KYDMT, VO003840KYDMV, MO001600KYDMU, MO003200KYDNC, MO006400KYDND, VO007680KYDNA and VOO15360KYDNB	CP065946.zip	VO003840KYDMV	HPK6 (B)	HPK6

	Drives				
428	Online NVMe SSD Flash Component for VMware ESXi - VO001920KYDMT, VO003840KYDMV, MO001600KYDMU, MO003200KYDNC, MO006400KYDND, VO007680KYDNA and VOO15360KYDNB Drives	CP065946.zip	MO001600KYDMU	HPK6 (B)	HPK6
429	Online NVMe SSD Flash Component for VMware ESXi - VO001920KYDMT, VO003840KYDMV, MO001600KYDMU, MO003200KYDNC, MO006400KYDND, VO007680KYDNA and VOO15360KYDNB Drives	CP065946.zip	MO006400KYDND	HPK6 (B)	HPK6
430	Online NVMe SSD Flash Component for VMware ESXi - VO001920KYDMT, VO003840KYDMV, MO001600KYDMU, MO003200KYDNC, MO006400KYDND, VO007680KYDNA and VOO15360KYDNB Drives	CP065946.zip	VOO15360KYDNB	HPK6 (B)	HPK6
431	Online NVMe SSD Flash Component for VMware ESXi - VO001920KYDMT, VO003840KYDMV, MO001600KYDMU, MO003200KYDNC, MO006400KYDND, VO007680KYDNA and VOO15360KYDNB Drives	CP065946.zip	VO007680KYDNA	HPK6 (B)	HPK6
432	Online NVMe SSD Flash Component for VMware ESXi - VO001920KYDMT, VO003840KYDMV, MO001600KYDMU, MO003200KYDNC, MO006400KYDND, VO007680KYDNA and VOO15360KYDNB Drives	CP065946.zip	MO003200KYDNC	HPK6 (B)	HPK6
433	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
434	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
435	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
436	Online NVMe SSD Flash Component for Windows (x64) - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8,	cp064858.exe	KCD6XVUL800G	GPK7 (C)	GPK7

	KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives				
437	Online NVMe SSD Flash Component for Windows (x64) - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives	cp064858.exe	KCD6XVUL3T20	GPK7 (C)	GPK7
438	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
439	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
440	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
441	Online NVMe SSD Flash Component for Windows (x64) - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives	cp064858.exe	KCD6XLUL3T84	GPK7 (C)	GPK7
442	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
443	Online NVMe SSD Flash Component for Windows (x64) - KCM6FRUL1T92, KCM6FRUL3T84, KCM6FVUL1T60 and KCM6FVUL3T20 Drives	cp064861.exe	KCM6FRUL1T92	GPK5 (C)	GPK5
444	Online NVMe SSD Flash Component for Windows (x64) - KCM6FRUL1T92, KCM6FRUL3T84, KCM6FVUL1T60 and KCM6FVUL3T20 Drives	cp064861.exe	KCM6FRUL3T84	GPK5 (C)	GPK5
445	Online NVMe SSD Flash Component for Windows (x64) - KCM6FRUL1T92, KCM6FRUL3T84, KCM6FVUL1T60 and	cp064861.exe	KCM6FVUL3T20	GPK5 (C)	GPK5

	KCM6FVUL3T20 Drives				
446	Online NVMe SSD Flash Component for Windows (x64) - KCM6FRUL1T92, KCM6FRUL3T84, KCM6FVUL1T60 and KCM6FVUL3T20 Drives	cp064861.exe	KCM6FVUL1T60	GPK5 (C)	GPK5
447	Online NVMe SSD Flash Component for Windows (x64) - KCM6XVUL800G, KCM6XVUL1T60, KCM6XVUL3T20, KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92, KCM6XRUL3T84 and KCM6XRUL7T68 Drives	cp064859.exe	KCM6XRUL960G	GPK7 (C)	GPK7
448	Online NVMe SSD Flash Component for Windows (x64) - KCM6XVUL800G, KCM6XVUL1T60, KCM6XVUL3T20, KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92, KCM6XRUL3T84 and KCM6XRUL7T68 Drives	cp064859.exe	KCM6XRUL7T68	GPK7 (C)	GPK7
449	Online NVMe SSD Flash Component for Windows (x64) - KCM6XVUL800G, KCM6XVUL1T60, KCM6XVUL3T20, KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92, KCM6XRUL3T84 and KCM6XRUL7T68 Drives	cp064859.exe	KCM6XRUL1T92	GPK7 (C)	GPK7
450	Online NVMe SSD Flash Component for Windows (x64) - KCM6XVUL800G, KCM6XVUL1T60, KCM6XVUL3T20, KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92, KCM6XRUL3T84 and KCM6XRUL7T68 Drives	cp064859.exe	KCM6XVUL3T20	GPK7 (C)	GPK7
451	Online NVMe SSD Flash Component for Windows (x64) - KCM6XVUL800G, KCM6XVUL1T60, KCM6XVUL3T20, KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92, KCM6XRUL3T84 and KCM6XRUL7T68 Drives	cp064859.exe	KCM6XRUL3T84	GPK7 (C)	GPK7
452	Online NVMe SSD Flash Component for Windows (x64) - KCM6XVUL800G, KCM6XVUL1T60, KCM6XVUL3T20, KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92, KCM6XRUL3T84 and KCM6XRUL7T68 Drives	cp064859.exe	KCM6XVUL800G	GPK7 (C)	GPK7
453	Online NVMe SSD Flash Component for Windows (x64) - KCM6XVUL800G, KCM6XVUL1T60, KCM6XVUL3T20, KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92, KCM6XRUL3T84 and KCM6XRUL7T68 Drives	cp064859.exe	KCM6XVUL6T40	GPK7 (C)	GPK7
454	Online NVMe SSD Flash Component for Windows (x64) - KCM6XVUL800G, KCM6XVUL1T60, KCM6XVUL3T20, KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92, KCM6XRUL3T84 and KCM6XRUL7T68 Drives	cp064859.exe	KCM6XVUL1T60	GPK7 (C)	GPK7
455	Online NVMe SSD Flash Component for Windows (x64) - VO001920KYDMT, VO003840KYDMV, MO001600KYDMU,	cp064857.exe	MO001600KYDMU	HPK6 (B)	HPK6

	MO003200KYDNC, MO006400KYDND, VO007680KYDNA and VO015360KYDNB Drives				
456	Online NVMe SSD Flash Component for Windows (x64) - VO001920KYDMT, VO003840KYDMV, MO001600KYDMU, MO003200KYDNC, MO006400KYDND, VO007680KYDNA and VO015360KYDNB Drives	cp064857.exe	MO006400KYDND	HPK6 (B)	HPK6
457	Online NVMe SSD Flash Component for Windows (x64) - VO001920KYDMT, VO003840KYDMV, MO001600KYDMU, MO003200KYDNC, MO006400KYDND, VO007680KYDNA and VO015360KYDNB Drives	cp064857.exe	VO015360KYDNB	HPK6 (B)	HPK6
458	Online NVMe SSD Flash Component for Windows (x64) - VO001920KYDMT, VO003840KYDMV, MO001600KYDMU, MO003200KYDNC, MO006400KYDND, VO007680KYDNA and VO015360KYDNB Drives	cp064857.exe	VO007680KYDNA	HPK6 (B)	HPK6
459	Online NVMe SSD Flash Component for Windows (x64) - VO001920KYDMT, VO003840KYDMV, MO001600KYDMU, MO003200KYDNC, MO006400KYDND, VO007680KYDNA and VO015360KYDNB Drives	cp064857.exe	MO003200KYDNC	HPK6 (B)	HPK6
460	Online NVMe SSD Flash Component for Windows (x64) - VO001920KYDMT, VO003840KYDMV, MO001600KYDMU, MO003200KYDNC, MO006400KYDND, VO007680KYDNA and VO015360KYDNB Drives	cp064857.exe	VO001920KYDMT	HPK6 (B)	HPK6
461	Online NVMe SSD Flash Component for Windows (x64) - VO001920KYDMT, VO003840KYDMV, MO001600KYDMU, MO003200KYDNC, MO006400KYDND, VO007680KYDNA and VO015360KYDNB Drives	cp064857.exe	VO003840KYDMV	HPK6 (B)	HPK6
462	Universal Firmware Package for Drives - MO000800KXPRV, MO001600KXPTR, MO003200KXPTT, MO006400KXPTU, VO000960KXPRU, VO001920KXPTN, VO003840KXPTP and VO007680KXPTQ	SKHynix_PE81X0_KPE 81X0AHPK2.fwpkg	MO000800KXPRV	HPK2	HPK2
463	Universal Firmware Package for Drives - MO000800KXPRV, MO001600KXPTR, MO003200KXPTT, MO006400KXPTU, VO000960KXPRU, VO001920KXPTN, VO003840KXPTP and VO007680KXPTQ	SKHynix_PE81X0_KPE 81X0AHPK2.fwpkg	MO001600KXPTR	HPK2	HPK2
464	Universal Firmware Package for Drives - MO000800KXPRV, MO001600KXPTR, MO003200KXPTT, MO006400KXPTU, VO000960KXPRU, VO001920KXPTN, VO003840KXPTP and VO007680KXPTQ	SKHynix_PE81X0_KPE 81X0AHPK2.fwpkg	MO003200KXPTT	HPK2	HPK2
465	Universal Firmware Package for Drives - MO000800KXPRV, MO001600KXPTR, MO003200KXPTT, MO006400KXPTU, VO000960KXPRU, VO001920KXPTN, VO003840KXPTP and VO007680KXPTQ	SKHynix_PE81X0_KPE 81X0AHPK2.fwpkg	MO006400KXPTU	HPK2	HPK2

	MO003200KXPTT, MO006400KXPTU, VO000960KXPRU, VO001920KXPTN, VO003840KXPTP and VO007680KXPTQ				
466	Universal Firmware Package for Drives - MO000800KXPRV, MO001600KXPTR, MO003200KXPTT, MO006400KXPTU, VO000960KXPRU, VO001920KXPTN, VO003840KXPTP and VO007680KXPTQ	SKHynix_PE81X0_KPE 81X0AHPK2.fwpkg	VO000960KXPRU	HPK2	HPK2
467	Universal Firmware Package for Drives - MO000800KXPRV, MO001600KXPTR, MO003200KXPTT, MO006400KXPTU, VO000960KXPRU, VO001920KXPTN, VO003840KXPTP and VO007680KXPTQ	SKHynix_PE81X0_KPE 81X0AHPK2.fwpkg	VO001920KXPTN	HPK2	HPK2
468	Universal Firmware Package for Drives - MO000800KXPRV, MO001600KXPTR, MO003200KXPTT, MO006400KXPTU, VO000960KXPRU, VO001920KXPTN, VO003840KXPTP and VO007680KXPTQ	SKHynix_PE81X0_KPE 81X0AHPK2.fwpkg	VO003840KXPTP	HPK2	HPK2
469	Universal Firmware Package for Drives - MO000800KXPRV, MO001600KXPTR, MO003200KXPTT, MO006400KXPTU, VO000960KXPRU, VO001920KXPTN, VO003840KXPTP and VO007680KXPTQ	SKHynix_PE81X0_KPE 81X0AHPK2.fwpkg	VO007680KXPTQ	HPK2	HPK2
470	Universal Firmware Package for Drives - MO000800KXUJT, MO001600KXUJU, MO003200KXUJV, MO006400KXUKA, VO000960KXUJN, VO001920KXUJP, VO003840KXUJQ, VO007680KXUJR and VO015360KYGZQ	Kioxia_CD8_KACD8AL SHPK2.fwpkg	MO000800KXUJT	HPK2	HPK2
471	Universal Firmware Package for Drives - MO000800KXUJT, MO001600KXUJU, MO003200KXUJV, MO006400KXUKA, VO000960KXUJN, VO001920KXUJP, VO003840KXUJQ, VO007680KXUJR and VO015360KYGZQ	Kioxia_CD8_KACD8AL SHPK2.fwpkg	MO001600KXUJU	HPK2	HPK2
472	Universal Firmware Package for Drives - MO000800KXUJT, MO001600KXUJU, MO003200KXUJV, MO006400KXUKA, VO000960KXUJN, VO001920KXUJP, VO003840KXUJQ, VO007680KXUJR and VO015360KYGZQ	Kioxia_CD8_KACD8AL SHPK2.fwpkg	MO003200KXUJV	HPK2	HPK2
473	Universal Firmware Package for Drives - MO000800KXUJT, MO001600KXUJU, MO003200KXUJV, MO006400KXUKA, VO000960KXUJN, VO001920KXUJP, VO003840KXUJQ, VO007680KXUJR and VO015360KYGZQ	Kioxia_CD8_KACD8AL SHPK2.fwpkg	MO006400KXUKA	HPK2	HPK2
474	Universal Firmware Package for Drives - MO000800KXUJT, MO001600KXUJU, MO003200KXUJV, MO006400KXUKA, VO000960KXUJN, VO001920KXUJP, VO003840KXUJQ, VO007680KXUJR and VO015360KYGZQ	Kioxia_CD8_KACD8AL SHPK2.fwpkg	VO000960KXUJN	HPK2	HPK2
475	Universal Firmware Package for Drives - MO000800KXUJT, MO001600KXUJU, MO003200KXUJV, MO006400KXUKA,	Kioxia_CD8_KACD8AL SHPK2.fwpkg	VO001920KXUJP	HPK2	HPK2

	VO000960KXUJN, VO001920KXUJP, VO003840KXUJQ, VO007680KXUJR and VO015360KYGZQ				
476	Universal Firmware Package for Drives - MO000800KXUJT, MO001600KXUJU, MO003200KXUJV, MO006400KXUKA, VO000960KXUJN, VO001920KXUJP, VO003840KXUJQ, VO007680KXUJR and VO015360KYGZQ	Kioxia_CD8_KACD8AL SHPK2.fwpkg	VO003840KXUJQ	HPK2	HPK2
477	Universal Firmware Package for Drives - MO000800KXUJT, MO001600KXUJU, MO003200KXUJV, MO006400KXUKA, VO000960KXUJN, VO001920KXUJP, VO003840KXUJQ, VO007680KXUJR and VO015360KYGZQ	Kioxia_CD8_KACD8AL SHPK2.fwpkg	VO007680KXUJR	HPK2	HPK2
478	Universal Firmware Package for Drives - MO000800KXUJT, MO001600KXUJU, MO003200KXUJV, MO006400KXUKA, VO000960KXUJN, VO001920KXUJP, VO003840KXUJQ, VO007680KXUJR and VO015360KYGZQ	Kioxia_CD8_KACD8AL SHPK2.fwpkg	VO015360KYGZQ	HPK2	HPK2
479	Universal Firmware Package for Drives - MO000800KYDZK, MO001600KYDZR, MO003200KYDZT, MO006400KYDZU, VO000960KYDZH, VO001920KYDZL, VO003840KYDZN, VO001536KYDZQ and VO007680KYDZP	Micron_7500_Micron_7500_M7500ALLHPK 1.fwpkg	MO006400KYDZU	HPK1	HPK1
480	Universal Firmware Package for Drives - MO000800KYDZK, MO001600KYDZR, MO003200KYDZT, MO006400KYDZU, VO000960KYDZH, VO001920KYDZL, VO003840KYDZN, VO001536KYDZQ and VO007680KYDZP	Micron_7500_Micron_7500_M7500ALLHPK 1.fwpkg	MO003200KYDZT	HPK1	HPK1
481	Universal Firmware Package for Drives - MO000800KYDZK, MO001600KYDZR, MO003200KYDZT, MO006400KYDZU, VO000960KYDZH, VO001920KYDZL, VO003840KYDZN, VO001536KYDZQ and VO007680KYDZP	Micron_7500_Micron_7500_M7500ALLHPK 1.fwpkg	MO001600KYDZR	HPK1	HPK1
482	Universal Firmware Package for Drives - MO000800KYDZK, MO001600KYDZR, MO003200KYDZT, MO006400KYDZU, VO000960KYDZH, VO001920KYDZL, VO003840KYDZN, VO001536KYDZQ and VO007680KYDZP	Micron_7500_Micron_7500_M7500ALLHPK 1.fwpkg	MO000800KYDZK	HPK1	HPK1
483	Universal Firmware Package for Drives - MO000800KYDZK, MO001600KYDZR, MO003200KYDZT, MO006400KYDZU, VO000960KYDZH, VO001920KYDZL, VO003840KYDZN, VO001536KYDZQ and VO007680KYDZP	Micron_7500_Micron_7500_M7500ALLHPK 1.fwpkg	VO007680KYDZP	HPK1	HPK1
484	Universal Firmware Package for Drives - MO000800KYDZK, MO001600KYDZR, MO003200KYDZT, MO006400KYDZU, VO000960KYDZH, VO001920KYDZL, VO003840KYDZN, VO001536KYDZQ and	Micron_7500_Micron_7500_M7500ALLHPK 1.fwpkg	VO003840KYDZN	HPK1	HPK1

	VO007680KYDZP				
485	Universal Firmware Package for Drives - MO000800KYDZK, MO001600KYDZR, MO003200KYDZT, MO006400KYDZU, VO000960KYDZH, VO001920KYDZL, VO003840KYDZN, VO001536KYDZQ and VO007680KYDZP	Micron_7500_Micron_7500_M7500ALLHPK 1.fwpkg	VO001920KYDZL	HPK1	HPK1
486	Universal Firmware Package for Drives - MO000800KYDZK, MO001600KYDZR, MO003200KYDZT, MO006400KYDZU, VO000960KYDZH, VO001920KYDZL, VO003840KYDZN, VO001536KYDZQ and VO007680KYDZP	Micron_7500_Micron_7500_M7500ALLHPK 1.fwpkg	VO000960KYDZH	HPK1	HPK1
487	Universal Firmware Package for Drives - MO000800KYDZK, MO001600KYDZR, MO003200KYDZT, MO006400KYDZU, VO000960KYDZH, VO001920KYDZL, VO003840KYDZN, VO001536KYDZQ and VO007680KYDZP	Micron_7500_Micron_7500_M7500ALLHPK 1.fwpkg	VO001536KYDZQ	HPK1	HPK1
488	Universal Firmware Package for Drives - MO001600KXVYH, MO003200KXVZD, MO006400KXVZE, VO001920KXVYF, VO003840KXVZA, VO007680KXVZB and VO015360KXVZC	Kioxia_CM7_KACM7A LSHPK3.fwpkg	MO001600KXVYH	HPK3	HPK3
489	Universal Firmware Package for Drives - MO001600KXVYH, MO003200KXVZD, MO006400KXVZE, VO001920KXVYF, VO003840KXVZA, VO007680KXVZB and VO015360KXVZC	Kioxia_CM7_KACM7A LSHPK3.fwpkg	MO003200KXVZD	HPK3	HPK3
490	Universal Firmware Package for Drives - MO001600KXVYH, MO003200KXVZD, MO006400KXVZE, VO001920KXVYF, VO003840KXVZA, VO007680KXVZB and VO015360KXVZC	Kioxia_CM7_KACM7A LSHPK3.fwpkg	MO006400KXVZE	HPK3	HPK3
491	Universal Firmware Package for Drives - MO001600KXVYH, MO003200KXVZD, MO006400KXVZE, VO001920KXVYF, VO003840KXVZA, VO007680KXVZB and VO015360KXVZC	Kioxia_CM7_KACM7A LSHPK3.fwpkg	VO001920KXVYF	HPK3	HPK3
492	Universal Firmware Package for Drives - MO001600KXVYH, MO003200KXVZD, MO006400KXVZE, VO001920KXVYF, VO003840KXVZA, VO007680KXVZB and VO015360KXVZC	Kioxia_CM7_KACM7A LSHPK3.fwpkg	VO003840KXVZA	HPK3	HPK3
493	Universal Firmware Package for Drives - MO001600KXVYH, MO003200KXVZD, MO006400KXVZE, VO001920KXVYF, VO003840KXVZA, VO007680KXVZB and VO015360KXVZC	Kioxia_CM7_KACM7A LSHPK3.fwpkg	VO007680KXVZB	HPK3	HPK3
494	Universal Firmware Package for Drives - MO001600KXVYH, MO003200KXVZD, MO006400KXVZE, VO001920KXVYF, VO003840KXVZA, VO007680KXVZB and VO015360KXVZC	Kioxia_CM7_KACM7A LSHPK3.fwpkg	VO015360KXVZC	HPK3	HPK3
495	Universal Firmware Package for Drives - MO001600KZYWU, MO003200KZYXB,	Solidigm_P5x20_4IAA HPK5.fwpkg	MO001600KZYWU	HPK5	HPK5

	MO006400KZYXC, VO001920KZYWT, VO003840KZYWV and VO007680KZYXA				
496	Universal Firmware Package for Drives - MO001600KZYWU, MO003200KZYXB, MO006400KZYXC, VO001920KZYWT, VO003840KZYWV and VO007680KZYXA	Solidigm_P5x20_4IAA HPK5.fwpkg	MO003200KZYXB	HPK5	HPK5
497	Universal Firmware Package for Drives - MO001600KZYWU, MO003200KZYXB, MO006400KZYXC, VO001920KZYWT, VO003840KZYWV and VO007680KZYXA	Solidigm_P5x20_4IAA HPK5.fwpkg	MO006400KZYXC	HPK5	HPK5
498	Universal Firmware Package for Drives - MO001600KZYWU, MO003200KZYXB, MO006400KZYXC, VO001920KZYWT, VO003840KZYWV and VO007680KZYXA	Solidigm_P5x20_4IAA HPK5.fwpkg	VO001920KZYWT	HPK5	HPK5
499	Universal Firmware Package for Drives - MO001600KZYWU, MO003200KZYXB, MO006400KZYXC, VO001920KZYWT, VO003840KZYWV and VO007680KZYXA	Solidigm_P5x20_4IAA HPK5.fwpkg	VO003840KZYWV	HPK5	HPK5
500	Universal Firmware Package for Drives - MO001600KZYWU, MO003200KZYXB, MO006400KZYXC, VO001920KZYWT, VO003840KZYWV and VO007680KZYXA	Solidigm_P5x20_4IAA HPK5.fwpkg	VO007680KZYXA	HPK5	HPK5
501	Universal Firmware Package for Drives - MO001600YXUJB, MO003200YXUJC, MO006400YXUJD, VO001920YXUHU, VO003840YXUHV and VO007680YXUJA	Kioxia_CM7_KACM7A LFHPK3.fwpkg	MO001600YXUJB	HPK3	HPK3
502	Universal Firmware Package for Drives - MO001600YXUJB, MO003200YXUJC, MO006400YXUJD, VO001920YXUHU, VO003840YXUHV and VO007680YXUJA	Kioxia_CM7_KACM7A LFHPK3.fwpkg	MO003200YXUJC	HPK3	HPK3
503	Universal Firmware Package for Drives - MO001600YXUJB, MO003200YXUJC, MO006400YXUJD, VO001920YXUHU, VO003840YXUHV and VO007680YXUJA	Kioxia_CM7_KACM7A LFHPK3.fwpkg	MO006400YXUJD	HPK3	HPK3
504	Universal Firmware Package for Drives - MO001600YXUJB, MO003200YXUJC, MO006400YXUJD, VO001920YXUHU, VO003840YXUHV and VO007680YXUJA	Kioxia_CM7_KACM7A LFHPK3.fwpkg	VO001920YXUHU	HPK3	HPK3
505	Universal Firmware Package for Drives - MO001600YXUJB, MO003200YXUJC, MO006400YXUJD, VO001920YXUHU, VO003840YXUHV and VO007680YXUJA	Kioxia_CM7_KACM7A LFHPK3.fwpkg	VO003840YXUHV	HPK3	HPK3
506	Universal Firmware Package for Drives - MO001600YXUJB, MO003200YXUJC, MO006400YXUJD, VO001920YXUHU, VO003840YXUHV and VO007680YXUJA	Kioxia_CM7_KACM7A LFHPK3.fwpkg	VO007680YXUJA	HPK3	HPK3
507	Universal Firmware Package for Drives - MV001600LYCBB, MV003200LYCBA, MV006400LYCBB, VV015360LYHDC, VV001920LYCBB, VV003840LYCAU and VV007680LYCAV	Kioxia_CD8P_KACD8A LEHPK3.fwpkg	VV015360LYHDC	HPK3	HPK3
508	Universal Firmware Package for Drives - MV001600LYCBB, MV003200LYCBA, MV006400LYCBB, VV015360LYHDC, VV001920LYCBB, VV003840LYCAU and VV007680LYCAV	Kioxia_CD8P_KACD8A LEHPK3.fwpkg	MV006400LYCBB	HPK3	HPK3

509	Universal Firmware Package for Drives - MV001600LYCBT, MV003200LYCBA, MV006400LYCBB, VV015360LYHDC, VV001920LYCBB, VV003840LYCAU and VV007680LYCAV	Kioxia_CD8P_KACD8A LEHPK3.fwpkg	MV003200LYCBA	HPK3	HPK3
510	Universal Firmware Package for Drives - MV001600LYCBT, MV003200LYCBA, MV006400LYCBB, VV015360LYHDC, VV001920LYCBB, VV003840LYCAU and VV007680LYCAV	Kioxia_CD8P_KACD8A LEHPK3.fwpkg	MV001600LYCBT	HPK3	HPK3
511	Universal Firmware Package for Drives - MV001600LYCBT, MV003200LYCBA, MV006400LYCBB, VV015360LYHDC, VV001920LYCBB, VV003840LYCAU and VV007680LYCAV	Kioxia_CD8P_KACD8A LEHPK3.fwpkg	VV001920LYCBB	HPK3	HPK3
512	Universal Firmware Package for Drives - MV001600LYCBT, MV003200LYCBA, MV006400LYCBB, VV015360LYHDC, VV001920LYCBB, VV003840LYCAU and VV007680LYCAV	Kioxia_CD8P_KACD8A LEHPK3.fwpkg	VV003840LYCAU	HPK3	HPK3
513	Universal Firmware Package for Drives - MV001600LYCBT, MV003200LYCBA, MV006400LYCBB, VV015360LYHDC, VV001920LYCBB, VV003840LYCAU and VV007680LYCAV	Kioxia_CD8P_KACD8A LEHPK3.fwpkg	VV007680LYCAV	HPK3	HPK3
514	Universal Firmware Package for Drives - MV003200LXUJK, MV006400LXUJL, VV003840LXUJE, VV007680LXUJF and VV015360LXUJH	Kioxia_CM7_KACM7A LEHPK6.fwpkg	MV003200LXUJK	HPK6	HPK6
515	Universal Firmware Package for Drives - MV003200LXUJK, MV006400LXUJL, VV003840LXUJE, VV007680LXUJF and VV015360LXUJH	Kioxia_CM7_KACM7A LEHPK6.fwpkg	MV006400LXUJL	HPK6	HPK6
516	Universal Firmware Package for Drives - MV003200LXUJK, MV006400LXUJL, VV003840LXUJE, VV007680LXUJF and VV015360LXUJH	Kioxia_CM7_KACM7A LEHPK6.fwpkg	VV003840LXUJE	HPK6	HPK6
517	Universal Firmware Package for Drives - MV003200LXUJK, MV006400LXUJL, VV003840LXUJE, VV007680LXUJF and VV015360LXUJH	Kioxia_CM7_KACM7A LEHPK6.fwpkg	VV007680LXUJF	HPK6	HPK6
518	Universal Firmware Package for Drives - MV003200LXUJK, MV006400LXUJL, VV003840LXUJE, VV007680LXUJF and VV015360LXUJH	Kioxia_CM7_KACM7A LEHPK6.fwpkg	VV015360LXUJH	HPK6	HPK6
519	Universal Firmware Package for Drives - VK000960KYDPT, VK001920KYDPU, VK003840KYDPV and VK007680KYDQA	Samsung_PM9A3_PM 9A3U3HPK4.fwpkg	VK000960KYDPT	HPK4	HPK4
520	Universal Firmware Package for Drives - VK000960KYDPT, VK001920KYDPU, VK003840KYDPV and VK007680KYDQA	Samsung_PM9A3_PM 9A3U3HPK4.fwpkg	VK001920KYDPU	HPK4	HPK4
521	Universal Firmware Package for Drives - VK000960KYDPT, VK001920KYDPU, VK003840KYDPV and VK007680KYDQA	Samsung_PM9A3_PM 9A3U3HPK4.fwpkg	VK003840KYDPV	HPK4	HPK4
522	Universal Firmware Package for Drives - VK000960KYDPT, VK001920KYDPU,	Samsung_PM9A3_PM 9A3U3HPK4.fwpkg	VK007680KYDQA	HPK4	HPK4

	VK003840KYDPV and VK007680KYDQA				
523	Universal Firmware Package for Drives - VO000960KXNXD, VO001920KXNZQ, VO003840KXNZR, VO007680KXNZT, MO000800KXNXH, MO001600KXNZV, MO003200KXPAA and MO006400KXPAB	Micron_7450_Micron_7450_M7450ALLHPS 3.fwpkg	VO001920KXNZQ	HPS3	HPS3
524	Universal Firmware Package for Drives - VO000960KXNXD, VO001920KXNZQ, VO003840KXNZR, VO007680KXNZT, MO000800KXNXH, MO001600KXNZV, MO003200KXPAA and MO006400KXPAB	Micron_7450_Micron_7450_M7450ALLHPS 3.fwpkg	VO003840KXNZR	HPS3	HPS3
525	Universal Firmware Package for Drives - VO000960KXNXD, VO001920KXNZQ, VO003840KXNZR, VO007680KXNZT, MO000800KXNXH, MO001600KXNZV, MO003200KXPAA and MO006400KXPAB	Micron_7450_Micron_7450_M7450ALLHPS 3.fwpkg	VO007680KXNZT	HPS3	HPS3
526	Universal Firmware Package for Drives - VO000960KXNXD, VO001920KXNZQ, VO003840KXNZR, VO007680KXNZT, MO000800KXNXH, MO001600KXNZV, MO003200KXPAA and MO006400KXPAB	Micron_7450_Micron_7450_M7450ALLHPS 3.fwpkg	MO000800KXNXH	HPS3	HPS3
527	Universal Firmware Package for Drives - VO000960KXNXD, VO001920KXNZQ, VO003840KXNZR, VO007680KXNZT, MO000800KXNXH, MO001600KXNZV, MO003200KXPAA and MO006400KXPAB	Micron_7450_Micron_7450_M7450ALLHPS 3.fwpkg	MO001600KXNZV	HPS3	HPS3
528	Universal Firmware Package for Drives - VO000960KXNXD, VO001920KXNZQ, VO003840KXNZR, VO007680KXNZT, MO000800KXNXH, MO001600KXNZV, MO003200KXPAA and MO006400KXPAB	Micron_7450_Micron_7450_M7450ALLHPS 3.fwpkg	MO003200KXPAA	HPS3	HPS3
529	Universal Firmware Package for Drives - VO000960KXNXD, VO001920KXNZQ, VO003840KXNZR, VO007680KXNZT, MO000800KXNXH, MO001600KXNZV, MO003200KXPAA and MO006400KXPAB	Micron_7450_Micron_7450_M7450ALLHPS 3.fwpkg	MO006400KXPAB	HPS3	HPS3
530	Universal Firmware Package for Drives - VO000960KXNXD, VO001920KXNZQ, VO003840KXNZR, VO007680KXNZT, MO000800KXNXH, MO001600KXNZV, MO003200KXPAA and MO006400KXPAB	Micron_7450_Micron_7450_M7450ALLHPS 3.fwpkg	VO000960KXNXD	HPS3	HPS3
531	Universal Firmware Package for Drives - VR000480KXLXF	Samsung_PM9A3_PM9A3M2HPK3.fwpkg	VR000480KXLXF	HPK3	HPK3
532	Universal Firmware Package for Drives - VV001920LYDTT, VV003840LYDTU and VV007680LYDTV	Kioxia_CD7_KACD7AL SHPK6.fwpkg	VV001920LYDTT	HPK6	HPK6
533	Universal Firmware Package for Drives - VV001920LYDTT, VV003840LYDTU and	Kioxia_CD7_KACD7AL SHPK6.fwpkg	VV003840LYDTU	HPK6	HPK6

	VV007680LYDTV				
534	Universal Firmware Package for Drives - VV001920LYDTT, VV003840LYDTU and VV007680LYDTV	Kioxia_CD7_KACD7AL SHPK6.fwpkg	VV007680LYDTV	HPK6	HPK6
535	Universal Firmware Package for Drives - VV003840KXNTH, VV007680KXNTN and VV015360KXNTP	Samsung_PM1743_G PM1743HPK6.fwpkg	VV003840KXNTH	HPK6	HPK6
536	Universal Firmware Package for Drives - VV003840KXNTH, VV007680KXNTN and VV015360KXNTP	Samsung_PM1743_G PM1743HPK6.fwpkg	VV007680KXNTN	HPK6	HPK6
537	Universal Firmware Package for Drives - VV003840KXNTH, VV007680KXNTN and VV015360KXNTP	Samsung_PM1743_G PM1743HPK6.fwpkg	VV015360KXNTP	HPK6	HPK6
538	Universal Firmware Package for Drives - VV003840KXWBF, VV007680KXWBL and VV015360KXWBN	Solidigm_P5x30_SP54 304KHPK2.fwpkg	VV003840KXWBF	HPK2	HPK2
539	Universal Firmware Package for Drives - VV003840KXWBF, VV007680KXWBL and VV015360KXWBN	Solidigm_P5x30_SP54 304KHPK2.fwpkg	VV007680KXWBL	HPK2	HPK2
540	Universal Firmware Package for Drives - VV003840KXWBF, VV007680KXWBL and VV015360KXWBN	Solidigm_P5x30_SP54 304KHPK2.fwpkg	VV015360KXWBN	HPK2	HPK2

Firmware—Power Management

No.	Description	Package filename	Device	Package Version	Firmware/Driver version
541	Online ROM Flash for Linux - Advanced Power Capping Microcontroller Firmware	firmware-powerpic-1.0.4-3.1.x86_64.rpm	HA800 G3 Power Management Controller Firmware	1.0.4 (C)	1.0.4
542	Online ROM Flash for Linux - Advanced Power Capping Microcontroller Firmware II for HA800 G3 Servers	firmware-stm-gen11-1.2.2-4.1.x86_64.rpm	HA800 G3 Power Management Controller Firmware	1.2.2 (D)	1.2.2
543	Online ROM Flash for Windows x64 - Advanced Power Capping Microcontroller Firmware	cp065601.exe	HA800 G3 Power Management Controller Firmware	1.0.4 (C)	1.0.4
544	Online ROM Flash for Windows x64 - Advanced Power Capping Microcontroller Firmware II for HA800 G3 Servers	cp065608.exe	HA800 G3 Power Management Controller Firmware	1.2.2 (C)	1.2.2
545	ROM Flash Firmware Package - Advanced Power Capping Microcontroller Firmware	PICFW-1.0.4-1.fwpkg	HA800 G3 Power Management Controller Firmware	1.0.4	1.0.4
546	ROM Flash Firmware Package - Advanced Power Capping Microcontroller Firmware II for HA800 G3 Servers	STMGen11-1.2.2-1.fwpkg	HA800 G3 Power Management Controller Firmware	1.2.2	1.2.2

Firmware--SAS Storage Disk

No.	Description	Package filename	Device	Package Version	Firmware/Driver version
547	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
548	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
549	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
550	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
551	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
552	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
553	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
554	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
555	Online HDD/SSD Flash Component for Linux (x64) - EG001800JWJNR, EG002400JWJNT, EG001800JXLWB, EG002400JXLWC and EG002400MXJQT Drives	firmware-hdd-b1c9eaf74c-HPDA-5.1.x86_64.rpm	EG001800JXLWB	HPDA (E)	HPDA
556	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

557	Online HDD/SSD Flash Component for Linux (x64) - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCCD, MO006400PXDCE, VO000960PXDDBN, VO001920PXDDBR, VO003840PXDDBT, VO007680PXDDBU and VO015300PXDDBV Drives	firmware-hdd-42aff4675b-HPD4-2.1.x86_64.rpm	EO000800PXDCK	HPD4 (B)	HPD4
558	Online HDD/SSD Flash Component for Linux (x64) - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCCD, MO006400PXDCE, VO000960PXDDBN, VO001920PXDDBR, VO003840PXDDBT, VO007680PXDDBU and VO015300PXDDBV Drives	firmware-hdd-42aff4675b-HPD4-2.1.x86_64.rpm	MO000800PXDBP	HPD4 (B)	HPD4
559	Online HDD/SSD Flash Component for Linux (x64) - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCCD, MO006400PXDCE, VO000960PXDDBN, VO001920PXDDBR, VO003840PXDDBT, VO007680PXDDBU and VO015300PXDDBV Drives	firmware-hdd-42aff4675b-HPD4-2.1.x86_64.rpm	EO000400PXDBQ	HPD4 (B)	HPD4
560	Online HDD/SSD Flash Component for Linux (x64) - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCCD, MO006400PXDCE, VO000960PXDDBN, VO001920PXDDBR, VO003840PXDDBT, VO007680PXDDBU and VO015300PXDDBV Drives	firmware-hdd-42aff4675b-HPD4-2.1.x86_64.rpm	EO001600PXDCH	HPD4 (B)	HPD4
561	Online HDD/SSD Flash Component for Linux (x64) - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCCD, MO006400PXDCE, VO000960PXDDBN, VO001920PXDDBR, VO003840PXDDBT, VO007680PXDDBU and VO015300PXDDBV Drives	firmware-hdd-42aff4675b-HPD4-2.1.x86_64.rpm	MO001600PXDCC	HPD4 (B)	HPD4
562	Online HDD/SSD Flash Component for Linux (x64) - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCCD, MO006400PXDCE, VO000960PXDDBN, VO001920PXDDBR, VO003840PXDDBT, VO007680PXDDBU and VO015300PXDDBV Drives	firmware-hdd-42aff4675b-HPD4-2.1.x86_64.rpm	MO006400PXDCE	HPD4 (B)	HPD4
563	Online HDD/SSD Flash Component for Linux (x64) - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCCD, MO006400PXDCE, VO000960PXDDBN, VO001920PXDDBR, VO003840PXDDBT, VO007680PXDDBU and VO015300PXDDBV Drives	firmware-hdd-42aff4675b-HPD4-2.1.x86_64.rpm	VO007680PXDDBU	HPD4 (B)	HPD4

564	Online HDD/SSD Flash Component for Linux (x64) - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCCD, MO006400PXDCE, VO000960PXDDBN, VO001920PXDDBR, VO003840PXDDBT, VO007680PXDDBU and VO015300PXDDBV Drives	firmware-hdd-42aff4675b-HPD4-2.1.x86_64.rpm	VO001920PXDDBR	HPD4 (B)	HPD4
565	Online HDD/SSD Flash Component for Linux (x64) - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCCD, MO006400PXDCE, VO000960PXDDBN, VO001920PXDDBR, VO003840PXDDBT, VO007680PXDDBU and VO015300PXDDBV Drives	firmware-hdd-42aff4675b-HPD4-2.1.x86_64.rpm	MO003200PXDCCD	HPD4 (B)	HPD4
566	Online HDD/SSD Flash Component for Linux (x64) - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCCD, MO006400PXDCE, VO000960PXDDBN, VO001920PXDDBR, VO003840PXDDBT, VO007680PXDDBU and VO015300PXDDBV Drives	firmware-hdd-42aff4675b-HPD4-2.1.x86_64.rpm	VO015300PXDDBV	HPD4 (B)	HPD4
567	Online HDD/SSD Flash Component for Linux (x64) - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCCD, MO006400PXDCE, VO000960PXDDBN, VO001920PXDDBR, VO003840PXDDBT, VO007680PXDDBU and VO015300PXDDBV Drives	firmware-hdd-42aff4675b-HPD4-2.1.x86_64.rpm	VO000960PXDDBN	HPD4 (B)	HPD4
568	Online HDD/SSD Flash Component for Linux (x64) - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCCD, MO006400PXDCE, VO000960PXDDBN, VO001920PXDDBR, VO003840PXDDBT, VO007680PXDDBU and VO015300PXDDBV Drives	firmware-hdd-42aff4675b-HPD4-2.1.x86_64.rpm	VO003840PXDDBT	HPD4 (B)	HPD4
569	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
570	Online HDD/SSD Flash Component for Linux (x64) - MB002000JWFVN and MB004000JWFVP Drives	firmware-hdd-d7af557f47-HPD4-9.1.x86_64.rpm	MB004000JWFVP	HPD4 (I)	HPD4
571	Online HDD/SSD Flash Component for Linux (x64) - MB002000JYDNE and MB004000JYDPB Drives	firmware-hdd-d4be2aecbb-HPD4-1.1.x86_64.rpm	MB004000JYDPB	HPD4	HPD4
572	Online HDD/SSD Flash Component for Linux (x64) - MB002000JYDNE and MB004000JYDPB Drives	firmware-hdd-d4be2aecbb-HPD4-1.1.x86_64.rpm	MB002000JYDNE	HPD4	HPD4
573	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
574	Online HDD/SSD Flash Component for	firmware-hdd-	MB002000JWWQA	HPD8 (F)	HPD8

	Linux (x64) - MB004000JWWQB and MB002000JWWQA Drives	adb3ab8147-HPD8-6.1.x86_64.rpm			
575	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
576	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
577	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
578	Online HDD/SSD Flash Component for Linux (x64) - MB008000JWWQP and MB006000JWWQN Drives	firmware-hdd-ae6b41e855-HPD8-6.1.x86_64.rpm	MB006000JWWQN	HPD8 (F)	HPD8
579	Online HDD/SSD Flash Component for Linux (x64) - MB008000JWWQP and MB006000JWWQN Drives	firmware-hdd-ae6b41e855-HPD8-6.1.x86_64.rpm	MB008000JWWQP	HPD8 (F)	HPD8
580	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
581	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
582	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
583	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
584	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
585	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
586	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
587	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

588	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
589	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
590	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
591	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
592	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
593	Online HDD/SSD Flash Component for Linux (x64) - MB014000JXUCC Drive	firmware-hdd-017797f12e-HPD4-4.1.x86_64.rpm	MB014000JXUCC	HPD4 (D)	HPD4
594	Online HDD/SSD Flash Component for Linux (x64) - MB016000JWXKH Drive	firmware-hdd-8a0371a425-HPDC-1.1.x86_64.rpm	MB016000JWXKH	HPDC	HPDC
595	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
596	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
597	Online HDD/SSD Flash Component for Linux (x64) - MB018000JXMTH and MB020000JXMTP Drives	firmware-hdd-020fc874ad-HPD3-1.1.x86_64.rpm	MB020000JXMTP	HPD3	HPD3
598	Online HDD/SSD Flash Component for Linux (x64) - MB018000JXMTH and MB020000JXMTP Drives	firmware-hdd-020fc874ad-HPD3-1.1.x86_64.rpm	MB018000JXMTH	HPD3	HPD3
599	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
600	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
601	Online HDD/SSD Flash Component for Linux (x64) - MM1000JFJTH Drive	firmware-hdd-fa46c607d6-HPD5-5.1.x86_64.rpm	MM1000JFJTH	HPD5 (E)	HPD5
602	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	VO007680RWUFC	HPD8 (C)	HPD8
603	Online HDD/SSD Flash Component for Linux (x64) - VO000960RWUEV,	firmware-hdd-8fafc9efb2-HPD8-	VO003840RWUFF	HPD8 (C)	HPD8

	VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives	3.1.x86_64.rpm			
604	Online HDD/SSD Flash Component for Linux (x64) - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives	firmware-hdd-8fadc9efb2-HPD8-3.1.x86_64.rpm	VO003840RWUFB	HPD8 (C)	HPD8
605	Online HDD/SSD Flash Component for Linux (x64) - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives	firmware-hdd-8fadc9efb2-HPD8-3.1.x86_64.rpm	VO001920RWUFE	HPD8 (C)	HPD8
606	Online HDD/SSD Flash Component for Linux (x64) - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives	firmware-hdd-8fadc9efb2-HPD8-3.1.x86_64.rpm	VO001920RWUFA	HPD8 (C)	HPD8
607	Online HDD/SSD Flash Component for Linux (x64) - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives	firmware-hdd-8fadc9efb2-HPD8-3.1.x86_64.rpm	VO000960RWUFD	HPD8 (C)	HPD8
608	Online HDD/SSD Flash Component for Linux (x64) - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives	firmware-hdd-8fadc9efb2-HPD8-3.1.x86_64.rpm	VO000960RWUEV	HPD8 (C)	HPD8
609	Online HDD/SSD Flash Component for VMware ESXi - EG000600JWJNP, EG001200JWJNQ, EG000600JXLVV, EG001200JXLWA and EG001200MXJQU Drives	CP065996.zip	EG001200JWJNQ	HPD8 (C)	HPD8
610	Online HDD/SSD Flash Component for VMware ESXi - EG000600JWJNP, EG001200JWJNQ, EG000600JXLVV, EG001200JXLWA and EG001200MXJQU Drives	CP065996.zip	EG000600JWJNP	HPD8 (C)	HPD8
611	Online HDD/SSD Flash Component for VMware ESXi - EG000600JWJNP, EG001200JWJNQ, EG000600JXLVV, EG001200JXLWA and EG001200MXJQU Drives	CP065996.zip	EG001200MXJQU	HPD8 (C)	HPD8
612	Online HDD/SSD Flash Component for VMware ESXi - EG000600JWJNP, EG001200JWJNQ, EG000600JXLVV, EG001200JXLWA and EG001200MXJQU Drives	CP065996.zip	EG000600JXLVV	HPD8 (C)	HPD8
613	Online HDD/SSD Flash Component for VMware ESXi - EG000600JWJNP,	CP065996.zip	EG001200JXLWA	HPD8 (C)	HPD8

	EG001200JWJNQ, EG000600JXLVV, EG001200JXLWA and EG001200MXJQU Drives				
614	Online HDD/SSD Flash Component for VMware ESXi - EG001800JWJNR, EG002400JWJNT, EG001800JXLWB, EG002400JXLWC and EG002400MXJQT Drives	CP065998.zip	EG001800JWJNR	HPDA (D)	HPDA
615	Online HDD/SSD Flash Component for VMware ESXi - EG001800JWJNR, EG002400JWJNT, EG001800JXLWB, EG002400JXLWC and EG002400MXJQT Drives	CP065998.zip	EG002400JWJNT	HPDA (D)	HPDA
616	Online HDD/SSD Flash Component for VMware ESXi - EG001800JWJNR, EG002400JWJNT, EG001800JXLWB, EG002400JXLWC and EG002400MXJQT Drives	CP065998.zip	EG002400MXJQT	HPDA (D)	HPDA
617	Online HDD/SSD Flash Component for VMware ESXi - EG001800JWJNR, EG002400JWJNT, EG001800JXLWB, EG002400JXLWC and EG002400MXJQT Drives	CP065998.zip	EG001800JXLWB	HPDA (D)	HPDA
618	Online HDD/SSD Flash Component for VMware ESXi - EG001800JWJNR, EG002400JWJNT, EG001800JXLWB, EG002400JXLWC and EG002400MXJQT Drives	CP065998.zip	EG002400JXLWC	HPDA (D)	HPDA
619	Online HDD/SSD Flash Component for VMware ESXi - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCC, MO006400PXDCE, VO000960PXDBN, VO001920PXDBR, VO003840PXDBT, VO007680PXDBU and VO015300PXDBV Drives	CP065931.zip	EO000800PXDCK	HPD4 (B)	HPD4
620	Online HDD/SSD Flash Component for VMware ESXi - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCC, MO006400PXDCE, VO000960PXDBN, VO001920PXDBR, VO003840PXDBT, VO007680PXDBU and VO015300PXDBV Drives	CP065931.zip	MO000800PXDBP	HPD4 (B)	HPD4
621	Online HDD/SSD Flash Component for VMware ESXi - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCC, MO006400PXDCE, VO000960PXDBN, VO001920PXDBR, VO003840PXDBT, VO007680PXDBU and VO015300PXDBV Drives	CP065931.zip	EO000400PXDBQ	HPD4 (B)	HPD4
622	Online HDD/SSD Flash Component for VMware ESXi - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC,	CP065931.zip	EO001600PXDCH	HPD4 (B)	HPD4

	MO003200PXDCD, MO006400PXDCDCE, VO000960PXDBN, VO001920PXDBR, VO003840PXDBT, VO007680PXDBU and VO015300PXDBV Drives				
623	Online HDD/SSD Flash Component for VMware ESXi - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCD, MO003200PXDCD, MO006400PXDCDCE, VO000960PXDBN, VO001920PXDBR, VO003840PXDBT, VO007680PXDBU and VO015300PXDBV Drives	CP065931.zip	MO001600PXDCD	HPD4 (B)	HPD4
624	Online HDD/SSD Flash Component for VMware ESXi - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCD, MO003200PXDCD, MO006400PXDCDCE, VO000960PXDBN, VO001920PXDBR, VO003840PXDBT, VO007680PXDBU and VO015300PXDBV Drives	CP065931.zip	MO006400PXDCDCE	HPD4 (B)	HPD4
625	Online HDD/SSD Flash Component for VMware ESXi - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCD, MO003200PXDCD, MO006400PXDCDCE, VO000960PXDBN, VO001920PXDBR, VO003840PXDBT, VO007680PXDBU and VO015300PXDBV Drives	CP065931.zip	VO007680PXDBU	HPD4 (B)	HPD4
626	Online HDD/SSD Flash Component for VMware ESXi - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCD, MO003200PXDCD, MO006400PXDCDCE, VO000960PXDBN, VO001920PXDBR, VO003840PXDBT, VO007680PXDBU and VO015300PXDBV Drives	CP065931.zip	VO001920PXDBR	HPD4 (B)	HPD4
627	Online HDD/SSD Flash Component for VMware ESXi - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCD, MO003200PXDCD, MO006400PXDCDCE, VO000960PXDBN, VO001920PXDBR, VO003840PXDBT, VO007680PXDBU and VO015300PXDBV Drives	CP065931.zip	VO015300PXDBV	HPD4 (B)	HPD4
628	Online HDD/SSD Flash Component for VMware ESXi - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCD, MO003200PXDCD, MO006400PXDCDCE, VO000960PXDBN, VO001920PXDBR, VO003840PXDBT, VO007680PXDBU and VO015300PXDBV Drives	CP065931.zip	MO003200PXDCD	HPD4 (B)	HPD4
629	Online HDD/SSD Flash Component for VMware ESXi - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCD,	CP065931.zip	VO000960PXDBN	HPD4 (B)	HPD4

	MO003200PXDCD, MO006400PXDCD, VO000960PXDBN, VO001920PXDBR, VO003840PXDBT, VO007680PXDBU and VO015300PXDBV Drives				
630	Online HDD/SSD Flash Component for VMware ESXi - EO000400PXBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDDB, MO001600PXDCC, MO003200PXDCD, MO006400PXDCD, VO000960PXDBN, VO001920PXDBR, VO003840PXDBT, VO007680PXDBU and VO015300PXDBV Drives	CP065931.zip	VO003840PXDBT	HPD4 (B)	HPD4
631	Online HDD/SSD Flash Component for VMware ESXi - MB002000JWFVN and MB004000JWFVP Drives	CP065988.zip	MB002000JWFVN	HPD4 (G)	HPD4
632	Online HDD/SSD Flash Component for VMware ESXi - MB002000JWFVN and MB004000JWFVP Drives	CP065988.zip	MB004000JWFVP	HPD4 (G)	HPD4
633	Online HDD/SSD Flash Component for VMware ESXi - MB002000JYDNE and MB004000JYDPB Drives	CP065967.zip	MB004000JYDPB	HPD4 (B)	HPD4
634	Online HDD/SSD Flash Component for VMware ESXi - MB002000JYDNE and MB004000JYDPB Drives	CP065967.zip	MB002000JYDNE	HPD4 (B)	HPD4
635	Online HDD/SSD Flash Component for VMware ESXi - MB004000JWWQB and MB002000JWWQA Drives	CP066009.zip	MB004000JWWQB	HPD8 (C)	HPD8
636	Online HDD/SSD Flash Component for VMware ESXi - MB004000JWWQB and MB002000JWWQA Drives	CP066009.zip	MB002000JWWQA	HPD8 (C)	HPD8
637	Online HDD/SSD Flash Component for VMware ESXi - MB006000JYDNF, MB008000JYDPC and MB010000JYDNH Drives	CP065960.zip	MB006000JYDNF	HPD3 (B)	HPD3
638	Online HDD/SSD Flash Component for VMware ESXi - MB006000JYDNF, MB008000JYDPC and MB010000JYDNH Drives	CP065960.zip	MB008000JYDPC	HPD3 (B)	HPD3
639	Online HDD/SSD Flash Component for VMware ESXi - MB006000JYDNF, MB008000JYDPC and MB010000JYDNH Drives	CP065960.zip	MB010000JYDNH	HPD3 (B)	HPD3
640	Online HDD/SSD Flash Component for VMware ESXi - MB008000JWWQP and MB006000JWWQN Drives	CP066008.zip	MB006000JWWQN	HPD8 (C)	HPD8
641	Online HDD/SSD Flash Component for VMware ESXi - MB008000JWWQP and MB006000JWWQN Drives	CP066008.zip	MB008000JWWQP	HPD8 (C)	HPD8
642	Online HDD/SSD Flash Component for VMware ESXi - MB010000JWZHA, MB012000JWZHB, MB014000JWZHC and MB016000JWZHE Drives	CP066010.zip	MB010000JWZHA	HPD4 (C)	HPD4
643	Online HDD/SSD Flash Component for VMware ESXi - MB010000JWZHA, MB012000JWZHB, MB014000JWZHC and MB016000JWZHE Drives	CP066010.zip	MB012000JWZHB	HPD4 (C)	HPD4

644	Online HDD/SSD Flash Component for VMware ESXi - MB010000JWZHA, MB012000JWZHB, MB014000JWZHC and MB016000JWZHE Drives	CP066010.zip	MB016000JWZHE	HPD4 (C)	HPD4
645	Online HDD/SSD Flash Component for VMware ESXi - MB010000JWZHA, MB012000JWZHB, MB014000JWZHC and MB016000JWZHE Drives	CP066010.zip	MB014000JWZHC	HPD4 (C)	HPD4
646	Online HDD/SSD Flash Component for VMware ESXi - MB010000JYDKK, MB012000JYCJF, MB014000JYCJV, MB016000JYDKL and MB018000JYDKN Drives	CP065975.zip	MB010000JYDKK	HPD3 (C)	HPD3
647	Online HDD/SSD Flash Component for VMware ESXi - MB010000JYDKK, MB012000JYCJF, MB014000JYCJV, MB016000JYDKL and MB018000JYDKN Drives	CP065975.zip	MB012000JYCJF	HPD3 (C)	HPD3
648	Online HDD/SSD Flash Component for VMware ESXi - MB010000JYDKK, MB012000JYCJF, MB014000JYCJV, MB016000JYDKL and MB018000JYDKN Drives	CP065975.zip	MB014000JYCJV	HPD3 (C)	HPD3
649	Online HDD/SSD Flash Component for VMware ESXi - MB010000JYDKK, MB012000JYCJF, MB014000JYCJV, MB016000JYDKL and MB018000JYDKN Drives	CP065975.zip	MB016000JYDKL	HPD3 (C)	HPD3
650	Online HDD/SSD Flash Component for VMware ESXi - MB010000JYDKK, MB012000JYCJF, MB014000JYCJV, MB016000JYDKL and MB018000JYDKN Drives	CP065975.zip	MB018000JYDKN	HPD3 (C)	HPD3
651	Online HDD/SSD Flash Component for VMware ESXi - MB012000JZYVN, MB014000JZYVP, MB016000JZYVQ and MB018000JYCLK Drives	CP065973.zip	MB012000JZYVN	HPD4 (C)	HPD4
652	Online HDD/SSD Flash Component for VMware ESXi - MB012000JZYVN, MB014000JZYVP, MB016000JZYVQ and MB018000JYCLK Drives	CP065973.zip	MB014000JZYVP	HPD4 (C)	HPD4
653	Online HDD/SSD Flash Component for VMware ESXi - MB012000JZYVN, MB014000JZYVP, MB016000JZYVQ and MB018000JYCLK Drives	CP065973.zip	MB016000JZYVQ	HPD4 (C)	HPD4
654	Online HDD/SSD Flash Component for VMware ESXi - MB012000JZYVN, MB014000JZYVP, MB016000JZYVQ and MB018000JYCLK Drives	CP065973.zip	MB018000JYCLK	HPD4 (C)	HPD4
655	Online HDD/SSD Flash Component for VMware ESXi - MB014000JXUCC Drive	CP065932.zip	MB014000JXUCC	HPD4 (C)	HPD4
656	Online HDD/SSD Flash Component for VMware ESXi - MB016000JWXKH Drive	CP065940.zip	MB016000JWXKH	HPDC (B)	HPDC
657	Online HDD/SSD Flash Component for VMware ESXi - MB016000JXLBA and MB018000JXLAU Drives	CP065993.zip	MB016000JXLBA	HPD3 (C)	HPD3

658	Online HDD/SSD Flash Component for VMware ESXi - MB016000JXLBA and MB018000JXLAU Drives	CP065993.zip	MB018000JXLAU	HPD3 (C)	HPD3
659	Online HDD/SSD Flash Component for VMware ESXi - MB018000JXMTH and MB020000JXMTP Drives	CP065976.zip	MB018000JXMTH	HPD3 (B)	HPD3
660	Online HDD/SSD Flash Component for VMware ESXi - MB018000JXMTH and MB020000JXMTP Drives	CP065976.zip	MB020000JXMTP	HPD3 (B)	HPD3
661	Online HDD/SSD Flash Component for VMware ESXi - MM1000JEFRB and MM2000JEFRC Drives	CP066004.zip	MM1000JEFRB	HPDA (E)	HPDA
662	Online HDD/SSD Flash Component for VMware ESXi - MM1000JEFRB and MM2000JEFRC Drives	CP066004.zip	MM2000JEFRC	HPDA (E)	HPDA
663	Online HDD/SSD Flash Component for VMware ESXi - MM1000JFJTH Drive	CP066005.zip	MM1000JFJTH	HPD5 (E)	HPD5
664	Online HDD/SSD Flash Component for VMware ESXi - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives	CP065957.zip	VO007680RWUFC	HPD8 (C)	HPD8
665	Online HDD/SSD Flash Component for VMware ESXi - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives	CP065957.zip	VO003840RWUFF	HPD8 (C)	HPD8
666	Online HDD/SSD Flash Component for VMware ESXi - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives	CP065957.zip	VO003840RWUFB	HPD8 (C)	HPD8
667	Online HDD/SSD Flash Component for VMware ESXi - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives	CP065957.zip	VO001920RWUFE	HPD8 (C)	HPD8
668	Online HDD/SSD Flash Component for VMware ESXi - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives	CP065957.zip	VO001920RWUFA	HPD8 (C)	HPD8
669	Online HDD/SSD Flash Component for VMware ESXi - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives	CP065957.zip	VO000960RWUFD	HPD8 (C)	HPD8
670	Online HDD/SSD Flash Component for VMware ESXi - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB,	CP065957.zip	VO000960RWUEV	HPD8 (C)	HPD8

	VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives				
671	Online HDD/SSD Flash Component for Windows (x64) - EG000600JWJNP, EG001200JWJNQ, EG000600JXLVV, EG001200JXLWA and EG001200MXJQU Drives	cp065043.exe	EG001200MXJQU	HPD8 (C)	HPD8
672	Online HDD/SSD Flash Component for Windows (x64) - EG000600JWJNP, EG001200JWJNQ, EG000600JXLVV, EG001200JXLWA and EG001200MXJQU Drives	cp065043.exe	EG000600JXLVV	HPD8 (C)	HPD8
673	Online HDD/SSD Flash Component for Windows (x64) - EG000600JWJNP, EG001200JWJNQ, EG000600JXLVV, EG001200JXLWA and EG001200MXJQU Drives	cp065043.exe	EG001200JXLWA	HPD8 (C)	HPD8
674	Online HDD/SSD Flash Component for Windows (x64) - EG000600JWJNP, EG001200JWJNQ, EG000600JXLVV, EG001200JXLWA and EG001200MXJQU Drives	cp065043.exe	EG000600JWJNP	HPD8 (C)	HPD8
675	Online HDD/SSD Flash Component for Windows (x64) - EG000600JWJNP, EG001200JWJNQ, EG000600JXLVV, EG001200JXLWA and EG001200MXJQU Drives	cp065043.exe	EG001200JWJNQ	HPD8 (C)	HPD8
676	Online HDD/SSD Flash Component for Windows (x64) - EG001800JWJNR, EG002400JWJNT, EG001800JXLWB, EG002400JXLWC and EG002400MXJQT Drives	cp065045.exe	EG001800JWJNR	HPDA (D)	HPDA
677	Online HDD/SSD Flash Component for Windows (x64) - EG001800JWJNR, EG002400JWJNT, EG001800JXLWB, EG002400JXLWC and EG002400MXJQT Drives	cp065045.exe	EG002400JWJNT	HPDA (D)	HPDA
678	Online HDD/SSD Flash Component for Windows (x64) - EG001800JWJNR, EG002400JWJNT, EG001800JXLWB, EG002400JXLWC and EG002400MXJQT Drives	cp065045.exe	EG002400MXJQT	HPDA (D)	HPDA
679	Online HDD/SSD Flash Component for Windows (x64) - EG001800JWJNR, EG002400JWJNT, EG001800JXLWB, EG002400JXLWC and EG002400MXJQT Drives	cp065045.exe	EG001800JXLWB	HPDA (D)	HPDA
680	Online HDD/SSD Flash Component for Windows (x64) - EG001800JWJNR, EG002400JWJNT, EG001800JXLWB, EG002400JXLWC and EG002400MXJQT Drives	cp065045.exe	EG002400JXLWC	HPDA (D)	HPDA
681	Online HDD/SSD Flash Component for Windows (x64) - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH,	cp065078.exe	EO000800PXDCK	HPD4 (B)	HPD4

	MO000800PXDBP, MO001600PXDCC, MO003200PXDCD, MO006400PXDCE, VO000960PXDBN, VO001920PXDBR, VO003840PXDBT, VO007680PXDBU and VO015300PXDBV Drives				
682	Online HDD/SSD Flash Component for Windows (x64) - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCD, MO006400PXDCE, VO000960PXDBN, VO001920PXDBR, VO003840PXDBT, VO007680PXDBU and VO015300PXDBV Drives	cp065078.exe	MO000800PXDBP	HPD4 (B)	HPD4
683	Online HDD/SSD Flash Component for Windows (x64) - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCD, MO006400PXDCE, VO000960PXDBN, VO001920PXDBR, VO003840PXDBT, VO007680PXDBU and VO015300PXDBV Drives	cp065078.exe	EO000400PXDBQ	HPD4 (B)	HPD4
684	Online HDD/SSD Flash Component for Windows (x64) - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCD, MO006400PXDCE, VO000960PXDBN, VO001920PXDBR, VO003840PXDBT, VO007680PXDBU and VO015300PXDBV Drives	cp065078.exe	EO001600PXDCH	HPD4 (B)	HPD4
685	Online HDD/SSD Flash Component for Windows (x64) - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCD, MO006400PXDCE, VO000960PXDBN, VO001920PXDBR, VO003840PXDBT, VO007680PXDBU and VO015300PXDBV Drives	cp065078.exe	MO001600PXDCC	HPD4 (B)	HPD4
686	Online HDD/SSD Flash Component for Windows (x64) - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCD, MO006400PXDCE, VO000960PXDBN, VO001920PXDBR, VO003840PXDBT, VO007680PXDBU and VO015300PXDBV Drives	cp065078.exe	MO006400PXDCE	HPD4 (B)	HPD4
687	Online HDD/SSD Flash Component for Windows (x64) - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCD, MO006400PXDCE, VO000960PXDBN, VO001920PXDBR, VO003840PXDBT, VO007680PXDBU and VO015300PXDBV Drives	cp065078.exe	VO007680PXDBU	HPD4 (B)	HPD4
688	Online HDD/SSD Flash Component for Windows (x64) - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH,	cp065078.exe	VO001920PXDBR	HPD4 (B)	HPD4

	MO000800PXDBP, MO001600PXDCC, MO003200PXDCD, MO006400PXDC, VO000960PXDBN, VO001920PXDBR, VO003840PXDBT, VO007680PXDBU and VO015300PXDBV Drives				
689	Online HDD/SSD Flash Component for Windows (x64) - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCD, MO006400PXDC, VO000960PXDBN, VO001920PXDBR, VO003840PXDBT, VO007680PXDBU and VO015300PXDBV Drives	cp065078.exe	VO015300PXDBV	HPD4 (B)	HPD4
690	Online HDD/SSD Flash Component for Windows (x64) - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCD, MO006400PXDC, VO000960PXDBN, VO001920PXDBR, VO003840PXDBT, VO007680PXDBU and VO015300PXDBV Drives	cp065078.exe	MO003200PXDCD	HPD4 (B)	HPD4
691	Online HDD/SSD Flash Component for Windows (x64) - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCD, MO006400PXDC, VO000960PXDBN, VO001920PXDBR, VO003840PXDBT, VO007680PXDBU and VO015300PXDBV Drives	cp065078.exe	VO000960PXDBN	HPD4 (B)	HPD4
692	Online HDD/SSD Flash Component for Windows (x64) - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCD, MO006400PXDC, VO000960PXDBN, VO001920PXDBR, VO003840PXDBT, VO007680PXDBU and VO015300PXDBV Drives	cp065078.exe	VO003840PXDBT	HPD4 (B)	HPD4
693	Online HDD/SSD Flash Component for Windows (x64) - MB002000JWFVN and MB004000JWFVP Drives	cp065058.exe	MB002000JWFVN	HPD4 (G)	HPD4
694	Online HDD/SSD Flash Component for Windows (x64) - MB002000JWFVN and MB004000JWFVP Drives	cp065058.exe	MB004000JWFVP	HPD4 (G)	HPD4
695	Online HDD/SSD Flash Component for Windows (x64) - MB002000JYDNE and MB004000JYDPB Drives	cp065085.exe	MB004000JYDPB	HPD4 (B)	HPD4
696	Online HDD/SSD Flash Component for Windows (x64) - MB002000JYDNE and MB004000JYDPB Drives	cp065085.exe	MB002000JYDNE	HPD4 (B)	HPD4
697	Online HDD/SSD Flash Component for Windows (x64) - MB004000JWWQB and MB002000JWWQA Drives	cp065081.exe	MB004000JWWQB	HPD8 (D)	HPD8
698	Online HDD/SSD Flash Component for Windows (x64) - MB004000JWWQB and MB002000JWWQA Drives	cp065081.exe	MB002000JWWQA	HPD8 (D)	HPD8
699	Online HDD/SSD Flash Component for	cp065084.exe	MB006000JYDNF	HPD3 (B)	HPD3

	Windows (x64) - MB006000JYDNF, MB008000JYDPC and MB010000JYDNH Drives				
700	Online HDD/SSD Flash Component for Windows (x64) - MB006000JYDNF, MB008000JYDPC and MB010000JYDNH Drives	cp065084.exe	MB008000JYDPC	HPD3 (B)	HPD3
701	Online HDD/SSD Flash Component for Windows (x64) - MB006000JYDNF, MB008000JYDPC and MB010000JYDNH Drives	cp065084.exe	MB010000JYDNH	HPD3 (B)	HPD3
702	Online HDD/SSD Flash Component for Windows (x64) - MB008000JWWQP and MB006000JWWQN Drives	cp065080.exe	MB006000JWWQN	HPD8 (D)	HPD8
703	Online HDD/SSD Flash Component for Windows (x64) - MB008000JWWQP and MB006000JWWQN Drives	cp065080.exe	MB008000JWWQP	HPD8 (D)	HPD8
704	Online HDD/SSD Flash Component for Windows (x64) - MB010000JWZHA, MB012000JWZHB, MB014000JWZHC and MB016000JWZHE Drives	cp065082.exe	MB010000JWZHA	HPD4 (D)	HPD4
705	Online HDD/SSD Flash Component for Windows (x64) - MB010000JWZHA, MB012000JWZHB, MB014000JWZHC and MB016000JWZHE Drives	cp065082.exe	MB012000JWZHB	HPD4 (D)	HPD4
706	Online HDD/SSD Flash Component for Windows (x64) - MB010000JWZHA, MB012000JWZHB, MB014000JWZHC and MB016000JWZHE Drives	cp065082.exe	MB014000JWZHC	HPD4 (D)	HPD4
707	Online HDD/SSD Flash Component for Windows (x64) - MB010000JWZHA, MB012000JWZHB, MB014000JWZHC and MB016000JWZHE Drives	cp065082.exe	MB016000JWZHE	HPD4 (D)	HPD4
708	Online HDD/SSD Flash Component for Windows (x64) - MB010000JYDKK, MB012000JYCJF, MB014000JYCJV, MB016000JYDKL and MB018000JYDKN Drives	cp063922.exe	MB010000JYDKK	HPD3 (C)	HPD3
709	Online HDD/SSD Flash Component for Windows (x64) - MB010000JYDKK, MB012000JYCJF, MB014000JYCJV, MB016000JYDKL and MB018000JYDKN Drives	cp063922.exe	MB012000JYCJF	HPD3 (C)	HPD3
710	Online HDD/SSD Flash Component for Windows (x64) - MB010000JYDKK, MB012000JYCJF, MB014000JYCJV, MB016000JYDKL and MB018000JYDKN Drives	cp063922.exe	MB014000JYCJV	HPD3 (C)	HPD3
711	Online HDD/SSD Flash Component for Windows (x64) - MB010000JYDKK, MB012000JYCJF, MB014000JYCJV, MB016000JYDKL and MB018000JYDKN Drives	cp063922.exe	MB016000JYDKL	HPD3 (C)	HPD3
712	Online HDD/SSD Flash Component for Windows (x64) - MB010000JYDKK, MB012000JYCJF, MB014000JYCJV,	cp063922.exe	MB018000JYDKN	HPD3 (C)	HPD3

	MB016000JYDKL and MB018000JYDKN Drives				
713	Online HDD/SSD Flash Component for Windows (x64) - MB012000JZYVN, MB014000JZYVP, MB016000JZYVQ and MB018000JYCLK Drives	cp065024.exe	MB012000JZYVN	HPD4 (C)	HPD4
714	Online HDD/SSD Flash Component for Windows (x64) - MB012000JZYVN, MB014000JZYVP, MB016000JZYVQ and MB018000JYCLK Drives	cp065024.exe	MB014000JZYVP	HPD4 (C)	HPD4
715	Online HDD/SSD Flash Component for Windows (x64) - MB012000JZYVN, MB014000JZYVP, MB016000JZYVQ and MB018000JYCLK Drives	cp065024.exe	MB016000JZYVQ	HPD4 (C)	HPD4
716	Online HDD/SSD Flash Component for Windows (x64) - MB012000JZYVN, MB014000JZYVP, MB016000JZYVQ and MB018000JYCLK Drives	cp065024.exe	MB018000JYCLK	HPD4 (C)	HPD4
717	Online HDD/SSD Flash Component for Windows (x64) - MB014000JXUCC Drive	cp065036.exe	MB014000JXUCC	HPD4 (C)	HPD4
718	Online HDD/SSD Flash Component for Windows (x64) - MB016000JWXKH Drive	cp065031.exe	MB016000JWXKH	HPDC (B)	HPDC
719	Online HDD/SSD Flash Component for Windows (x64) - MB016000JXLBA and MB018000JXLAU Drives	cp065020.exe	MB016000JXLBA	HPD3 (C)	HPD3
720	Online HDD/SSD Flash Component for Windows (x64) - MB016000JXLBA and MB018000JXLAU Drives	cp065020.exe	MB018000JXLAU	HPD3 (C)	HPD3
721	Online HDD/SSD Flash Component for Windows (x64) - MB018000JXMTH and MB020000JXMTP Drives	cp065087.exe	MB020000JXMTP	HPD3 (B)	HPD3
722	Online HDD/SSD Flash Component for Windows (x64) - MB018000JXMTH and MB020000JXMTP Drives	cp065087.exe	MB018000JXMTH	HPD3 (B)	HPD3
723	Online HDD/SSD Flash Component for Windows (x64) - MM1000JEFRB and MM2000JEFRC Drives	cp065063.exe	MM1000JEFRB	HPDA (E)	HPDA
724	Online HDD/SSD Flash Component for Windows (x64) - MM1000JEFRB and MM2000JEFRC Drives	cp065063.exe	MM2000JEFRC	HPDA (E)	HPDA
725	Online HDD/SSD Flash Component for Windows (x64) - MM1000JFJTH Drive	cp065064.exe	MM1000JFJTH	HPD5 (E)	HPD5
726	Online HDD/SSD Flash Component for Windows (x64) - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives	cp065077.exe	VO007680RWUFC	HPD8 (C)	HPD8
727	Online HDD/SSD Flash Component for Windows (x64) - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives	cp065077.exe	VO003840RWUFF	HPD8 (C)	HPD8
728	Online HDD/SSD Flash Component for	cp065077.exe	VO003840RWUFB	HPD8 (C)	HPD8

	Windows (x64) - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives				
729	Online HDD/SSD Flash Component for Windows (x64) - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives	cp065077.exe	VO001920RWUFE	HPD8 (C)	HPD8
730	Online HDD/SSD Flash Component for Windows (x64) - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives	cp065077.exe	VO001920RWUFA	HPD8 (C)	HPD8
731	Online HDD/SSD Flash Component for Windows (x64) - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives	cp065077.exe	VO000960RWUFD	HPD8 (C)	HPD8
732	Online HDD/SSD Flash Component for Windows (x64) - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives	cp065077.exe	VO000960RWUEV	HPD8 (C)	HPD8
733	Universal Firmware Package for Drives - MB004000JWZVU	Toshiba_MG08Air_TA MG08SDAnD3.fwpkg	MB004000JWZVU	HPD3 (B)	HPD3
734	Universal Firmware Package for Drives - MB006000JWZVQ and MB008000JWZVR	Toshiba_MG08Air_TA MG08SDAeD3.fwpkg	MB006000JWZVQ	HPD3 (B)	HPD3
735	Universal Firmware Package for Drives - MB006000JWZVQ and MB008000JWZVR	Toshiba_MG08Air_TA MG08SDAeD3.fwpkg	MB008000JWZVR	HPD3 (B)	HPD3
736	Universal Firmware Package for Drives - MB020000JXMVU	WDC_ParisD_Wparisd ASFD1.fwpkg	MB020000JXMVU	HPD1 (B)	HPD1
737	Universal Firmware Package for Drives - MB12000JYESN, MB16000JYEVC, MB20000JYEVD	Seagate_Summit_SU MMITSUSND1.fwpkg	MB12000JYESN	HPD1 (B)	HPD1
738	Universal Firmware Package for Drives - MB12000JYESN, MB16000JYEVC, MB20000JYEVD	Seagate_Summit_SU MMITSUSND1.fwpkg	MB16000JYEVC	HPD1 (B)	HPD1
739	Universal Firmware Package for Drives - MB12000JYESN, MB16000JYEVC, MB20000JYEVD	Seagate_Summit_SU MMITSUSND1.fwpkg	MB20000JYEVD	HPD1 (B)	HPD1
740	Universal Firmware Package for Drives - MB24000JYEVE	Seagate_Summit_SU MMITSUSSD1.fwpkg	MB24000JYEVE	HPD1 (B)	HPD1
741	Universal Firmware Package for Drives - MO000960RXKRC, MO001920RXKRH, MO003840RXKRB, VO000960RXKRB, VO001920RXKRD and VO003840RXKRE	Seagate_LangeBP_SL NGBPHPESD5.fwpkg	MO000960RXKRC	HPD5 (B)	HPD5
742	Universal Firmware Package for Drives - MO000960RXKRC, MO001920RXKRH,	Seagate_LangeBP_SL NGBPHPESD5.fwpkg	MO001920RXKRH	HPD5 (B)	HPD5

	MO003840RXKRK, VO000960RXKRB, VO001920RXKRD and VO003840RXKRE				
743	Universal Firmware Package for Drives - MO000960RXKRC, MO001920RXKRH, MO003840RXKRK, VO000960RXKRB, VO001920RXKRD and VO003840RXKRE	Seagate_LangeBP_SL NGBPHPED5.fwpkg	MO003840RXKRK	HPD5 (B)	HPD5
744	Universal Firmware Package for Drives - MO000960RXKRC, MO001920RXKRH, MO003840RXKRK, VO000960RXKRB, VO001920RXKRD and VO003840RXKRE	Seagate_LangeBP_SL NGBPHPED5.fwpkg	VO000960RXKRB	HPD5 (B)	HPD5
745	Universal Firmware Package for Drives - MO000960RXKRC, MO001920RXKRH, MO003840RXKRK, VO000960RXKRB, VO001920RXKRD and VO003840RXKRE	Seagate_LangeBP_SL NGBPHPED5.fwpkg	VO001920RXKRD	HPD5 (B)	HPD5
746	Universal Firmware Package for Drives - MO000960RXKRC, MO001920RXKRH, MO003840RXKRK, VO000960RXKRB, VO001920RXKRD and VO003840RXKRE	Seagate_LangeBP_SL NGBPHPED5.fwpkg	VO003840RXKRE	HPD5 (B)	HPD5
747	Universal Firmware Package for Drives - MO000960RXRQK, MO001920XRRH, MO003840XRRK, VO000960XRQL, VO001920XRRL, VO003840XRRL and VO007680RYEWD	Seagate_Cooper_SCO OPRHPESD4.fwpkg	MO000960RXRQK	HPD4 (B)	HPD4
748	Universal Firmware Package for Drives - MO000960RXRQK, MO001920XRRH, MO003840XRRK, VO000960XRQL, VO001920XRRL, VO003840XRRL and VO007680RYEWD	Seagate_Cooper_SCO OPRHPESD4.fwpkg	MO001920XRRH	HPD4 (B)	HPD4
749	Universal Firmware Package for Drives - MO000960RXRQK, MO001920XRRH, MO003840XRRK, VO000960XRQL, VO001920XRRL, VO003840XRRL and VO007680RYEWD	Seagate_Cooper_SCO OPRHPESD4.fwpkg	MO003840XRRK	HPD4 (B)	HPD4
750	Universal Firmware Package for Drives - MO000960RXRQK, MO001920XRRH, MO003840XRRK, VO000960XRQL, VO001920XRRL, VO003840XRRL and VO007680RYEWD	Seagate_Cooper_SCO OPRHPESD4.fwpkg	VO000960XRQL	HPD4 (B)	HPD4
751	Universal Firmware Package for Drives - MO000960RXRQK, MO001920XRRH, MO003840XRRK, VO000960XRQL, VO001920XRRL, VO003840XRRL and VO007680RYEWD	Seagate_Cooper_SCO OPRHPESD4.fwpkg	VO001920XRRL	HPD4 (B)	HPD4
752	Universal Firmware Package for Drives - MO000960RXRQK, MO001920XRRH, MO003840XRRK, VO000960XRQL, VO001920XRRL, VO003840XRRL and VO007680RYEWD	Seagate_Cooper_SCO OPRHPESD4.fwpkg	VO003840XRRL	HPD4 (B)	HPD4
753	Universal Firmware Package for Drives - MO000960RXRQK, MO001920XRRH, MO003840XRRK, VO000960XRQL, VO001920XRRL, VO003840XRRL and VO007680RYEWD	Seagate_Cooper_SCO OPRHPESD4.fwpkg	VO007680RYEWD	HPD4 (B)	HPD4
754	Universal Firmware Package for Drives - MO001600PXMTN, MO003200PXMTV, MO006400PXMTU, VO001920PXMTL,	Kioxia_PM7_KAPM7A LSHPD2.fwpkg	VO015360PXMTU	HPD2 (B)	HPD2

	VO003840PXMTR, VO007680PXMTT and VO015360PXMTU				
755	Universal Firmware Package for Drives - MO001600PXMTN, MO003200PXMTV, MO006400PXMUA, VO001920PXMTL, VO003840PXMTR, VO007680PXMTT and VO015360PXMTU	Kioxia_PM7_KAPM7A LSHPD2.fwpkg	VO007680PXMTT	HPD2 (B)	HPD2
756	Universal Firmware Package for Drives - MO001600PXMTN, MO003200PXMTV, MO006400PXMUA, VO001920PXMTL, VO003840PXMTR, VO007680PXMTT and VO015360PXMTU	Kioxia_PM7_KAPM7A LSHPD2.fwpkg	VO003840PXMTR	HPD2 (B)	HPD2
757	Universal Firmware Package for Drives - MO001600PXMTN, MO003200PXMTV, MO006400PXMUA, VO001920PXMTL, VO003840PXMTR, VO007680PXMTT and VO015360PXMTU	Kioxia_PM7_KAPM7A LSHPD2.fwpkg	VO001920PXMTL	HPD2 (B)	HPD2
758	Universal Firmware Package for Drives - MO001600PXMTN, MO003200PXMTV, MO006400PXMUA, VO001920PXMTL, VO003840PXMTR, VO007680PXMTT and VO015360PXMTU	Kioxia_PM7_KAPM7A LSHPD2.fwpkg	MO006400PXMUA	HPD2 (B)	HPD2
759	Universal Firmware Package for Drives - MO001600PXMTN, MO003200PXMTV, MO006400PXMUA, VO001920PXMTL, VO003840PXMTR, VO007680PXMTT and VO015360PXMTU	Kioxia_PM7_KAPM7A LSHPD2.fwpkg	MO003200PXMTV	HPD2 (B)	HPD2
760	Universal Firmware Package for Drives - MO001600PXMTN, MO003200PXMTV, MO006400PXMUA, VO001920PXMTL, VO003840PXMTR, VO007680PXMTT and VO015360PXMTU	Kioxia_PM7_KAPM7A LSHPD2.fwpkg	MO001600PXMTN	HPD2 (B)	HPD2
761	Universal Firmware Package for Drives - MO001600PZWSH, MO003200PZWSK, MO000800PZWSF and MO006400PZXFA	Samsung_PM165X_G PM1655SAMD3.fwpkg	MO001600PZWSH	HPD3 (B)	HPD3
762	Universal Firmware Package for Drives - MO001600PZWSH, MO003200PZWSK, MO000800PZWSF and MO006400PZXFA	Samsung_PM165X_G PM1655SAMD3.fwpkg	MO003200PZWSK	HPD3 (B)	HPD3
763	Universal Firmware Package for Drives - MO001600PZWSH, MO003200PZWSK, MO000800PZWSF and MO006400PZXFA	Samsung_PM165X_G PM1655SAMD3.fwpkg	MO000800PZWSF	HPD3 (B)	HPD3
764	Universal Firmware Package for Drives - MO001600PZWSH, MO003200PZWSK, MO000800PZWSF and MO006400PZXFA	Samsung_PM165X_G PM1655SAMD3.fwpkg	MO006400PZXFA	HPD3 (B)	HPD3
765	Universal Firmware Package for Drives - VO000960PZWSL, VO001920PZWSN, VO003840PZWSP, VO007680PZXFB and VO015360PZXEU	Samsung_PM165X_G PM1653SAMD3.fwpkg	VO000960PZWSL	HPD3 (B)	HPD3
766	Universal Firmware Package for Drives - VO000960PZWSL, VO001920PZWSN, VO003840PZWSP, VO007680PZXFB and VO015360PZXEU	Samsung_PM165X_G PM1653SAMD3.fwpkg	VO001920PZWSN	HPD3 (B)	HPD3

767	Universal Firmware Package for Drives - VO000960PZWSL, VO001920PZWSN, VO003840PZWSP, VO007680PZXFB and VO015360PZXEU	Samsung_PM165X_G PM1653SAMD3.fwpkg	VO003840PZWSP	HPD3 (B)	HPD3
768	Universal Firmware Package for Drives - VO000960PZWSL, VO001920PZWSN, VO003840PZWSP, VO007680PZXFB and VO015360PZXEU	Samsung_PM165X_G PM1653SAMD3.fwpkg	VO007680PZXFB	HPD3 (B)	HPD3
769	Universal Firmware Package for Drives - VO000960PZWSL, VO001920PZWSN, VO003840PZWSP, VO007680PZXFB and VO015360PZXEU	Samsung_PM165X_G PM1653SAMD3.fwpkg	VO015360PZXEU	HPD3 (B)	HPD3
770	Universal Firmware Package for Drives - VO000960RZWUP, VO000960RZUWQ, VO001920RZWUR, VO001920RZWUV, VO003840RZWUT, VO003840RZWVA and VO007680RZWUU	Kioxia_RM6_KARM6A LSHPD1.fwpkg	VO000960RZWUP	HPD1 (B)	HPD1
771	Universal Firmware Package for Drives - VO000960RZWUP, VO000960RZUWQ, VO001920RZWUR, VO001920RZWUV, VO003840RZWUT, VO003840RZWVA and VO007680RZWUU	Kioxia_RM6_KARM6A LSHPD1.fwpkg	VO000960RZUWQ	HPD1 (B)	HPD1
772	Universal Firmware Package for Drives - VO000960RZWUP, VO000960RZUWQ, VO001920RZWUR, VO001920RZWUV, VO003840RZWUT, VO003840RZWVA and VO007680RZWUU	Kioxia_RM6_KARM6A LSHPD1.fwpkg	VO001920RZWUR	HPD1 (B)	HPD1
773	Universal Firmware Package for Drives - VO000960RZWUP, VO000960RZUWQ, VO001920RZWUR, VO001920RZWUV, VO003840RZWUT, VO003840RZWVA and VO007680RZWUU	Kioxia_RM6_KARM6A LSHPD1.fwpkg	VO001920RZWUV	HPD1 (B)	HPD1
774	Universal Firmware Package for Drives - VO000960RZWUP, VO000960RZUWQ, VO001920RZWUR, VO001920RZWUV, VO003840RZWUT, VO003840RZWVA and VO007680RZWUU	Kioxia_RM6_KARM6A LSHPD1.fwpkg	VO003840RZWUT	HPD1 (B)	HPD1
775	Universal Firmware Package for Drives - VO000960RZWUP, VO000960RZUWQ, VO001920RZWUR, VO001920RZWUV, VO003840RZWUT, VO003840RZWVA and VO007680RZWUU	Kioxia_RM6_KARM6A LSHPD1.fwpkg	VO003840RZWVA	HPD1 (B)	HPD1
776	Universal Firmware Package for Drives - VO000960RZWUP, VO000960RZUWQ, VO001920RZWUR, VO001920RZWUV, VO003840RZWUT, VO003840RZWVA and VO007680RZWUU	Kioxia_RM6_KARM6A LSHPD1.fwpkg	VO007680RZWUU	HPD1 (B)	HPD1

Firmware--SATA Storage Disk

No.	Description	Package filename	Device	Package Version	Firmware/Driver version
777	Online HDD/SSD Flash Component for	firmware-hdd-	MB001000GFWFK	HPG6 (L)	HPG6

	Linux (x64) - MB001000GWFWK and MB002000GWFWL Drives	bfc4af697b-HPG6-12.1.x86_64.rpm			
778	Online HDD/SSD Flash Component for Linux (x64) - MB001000GWFWK and MB002000GWFWL Drives	firmware-hdd-bfc4af697b-HPG6-12.1.x86_64.rpm	MB002000GWFWL	HPG6 (L)	HPG6
779	Online HDD/SSD Flash Component for Linux (x64) - MB001000GWJAN, MB002000GWFWA and MB004000GWFWB Drives	firmware-hdd-d39e7a7e75-HPG1-13.1.x86_64.rpm	MB004000GWFWB	HPG1 (M)	HPG1
780	Online HDD/SSD Flash Component for Linux (x64) - MB001000GWJAN, MB002000GWFWA and MB004000GWFWB Drives	firmware-hdd-d39e7a7e75-HPG1-13.1.x86_64.rpm	MB002000GWFWA	HPG1 (M)	HPG1
781	Online HDD/SSD Flash Component for Linux (x64) - MB001000GWJAN, MB002000GWFWA and MB004000GWFWB Drives	firmware-hdd-d39e7a7e75-HPG1-13.1.x86_64.rpm	MB001000GWJAN	HPG1 (M)	HPG1
782	Online HDD/SSD Flash Component for Linux (x64) - MB004000GWKGV Drive	firmware-hdd-ca21e169e2-HPG1-12.1.x86_64.rpm	MB004000GWKGV	HPG1 (L)	HPG1
783	Online HDD/SSD Flash Component for Linux (x64) - MB006000GWKGR Drive	firmware-hdd-7f2a26e6d0-HPG1-12.1.x86_64.rpm	MB006000GWKGR	HPG1 (L)	HPG1
784	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
785	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
786	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
787	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
788	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
789	Online HDD/SSD Flash Component for Linux (x64) - MB012000GWDFE Drive	firmware-hdd-059b8654a6-HPG5-3.1.x86_64.rpm	MB012000GWDFE	HPG5 (C)	HPG5
790	Online HDD/SSD Flash Component for Linux (x64) - MB012000GWTFE and MB014000GWTFE Drives	firmware-hdd-b78255e146-HPG8-5.1.x86_64.rpm	MB014000GWTFE	HPG8 (E)	HPG8
791	Online HDD/SSD Flash Component for Linux (x64) - MB012000GWTFE and	firmware-hdd-b78255e146-HPG8-	MB012000GWTFE	HPG8 (E)	HPG8

	MB014000GWTF Drives	5.1.x86_64.rpm			
792	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
793	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
794	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
795	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
796	Online HDD/SSD Flash Component for Linux (x64) - MB016000GWXKK Drive	firmware-hdd-e4f147cdd2-HPG4-4.1.x86_64.rpm	MB016000GWXKK	HPG4 (D)	HPG4
797	Online HDD/SSD Flash Component for Linux (x64) - MB018000GXMTK and MB020000GXMTQ Drives	firmware-hdd-3496cc4743-HPG3-1.1.x86_64.rpm	MB020000GXMTQ	HPG3	HPG3
798	Online HDD/SSD Flash Component for Linux (x64) - MB018000GXMTK and MB020000GXMTQ Drives	firmware-hdd-3496cc4743-HPG3-1.1.x86_64.rpm	MB018000GXMTK	HPG3	HPG3
799	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
800	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
801	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
802	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
803	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
804	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
805	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
806	Online HDD/SSD Flash Component for Linux (x64) - MK000480GZXRA,	firmware-hdd-9475583fb5-HPG1-	MK003840GZXRV	HPG1 (D)	HPG1

	MK000960GZXRB, MK001920GZXRC and MK003840GZXRV Drives	4.1.x86_64.rpm			
807	Online HDD/SSD Flash Component for Linux (x64) - MM1000GFJTE Drive	firmware-hdd-95af9a555e-HPG6-5.1.x86_64.rpm	MM1000GFJTE	HPG6 (E)	HPG6
808	Online HDD/SSD Flash Component for Linux (x64) - MM2000GEFRA Drive	firmware-hdd-ec908c3650-HPG9-5.1.x86_64.rpm	MM2000GEFRA	HPG9 (E)	HPG9
809	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	VK003840GWTTD	HPG7 (D)	HPG7
810	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	MK003840GWTTN	HPG7 (D)	HPG7
811	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
812	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
813	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
814	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	MK000960GWTTK	HPG7 (D)	HPG7
815	Online HDD/SSD Flash Component for Linux (x64) - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTT, VK003840GWTTD, MK000480GWTTT, MK000960GWTTK, MK001920GWTTL and	firmware-hdd-c566d63ca0-HPG7-4.1.x86_64.rpm	VK000480GWTTA	HPG7 (D)	HPG7

	MK003840GWTTN Drives				
816	Online HDD/SSD Flash Component for Linux (x64) - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTT, MK000480GWTTT, MK000960GWTTK, MK001920GWTTL and MK003840GWTTN Drives	firmware-hdd-c566d63ca0-HPG7-4.1.x86_64.rpm	MK000480GWTTT	HPG7 (D)	HPG7
817	Online HDD/SSD Flash Component for Linux (x64) - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTT, MK000480GWTTT, MK000960GWTTK, MK001920GWTTL and MK003840GWTTN Drives	firmware-hdd-c566d63ca0-HPG7-4.1.x86_64.rpm	VK000240GWTSV	HPG7 (D)	HPG7
818	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
819	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
820	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	VK007680GZXRT	HPG1 (D)	HPG1
821	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
822	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
823	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
824	Online HDD/SSD Flash Component for Linux (x64) - VK000480GZCNE, VK000960GZCNF, VK001920GZCNH and VK003840GZCNK Drives	firmware-hdd-befd42bd64-HPG3-4.1.x86_64.rpm	VK000480GZCNE	HPG3 (D)	HPG3
825	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
826	Online HDD/SSD Flash Component for Linux (x64) - VK000480GZCNE, VK000960GZCNF, VK001920GZCNH and	firmware-hdd-befd42bd64-HPG3-4.1.x86_64.rpm	VK001920GZCNH	HPG3 (D)	HPG3

	VK003840GZCNK Drives				
827	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
828	Online HDD/SSD Flash Component for VMware ESXi - MB001000GWFVK and MB002000GWFVL Drives	CP065937.zip	MB001000GWFVK	HPG6 (K)	HPG6
829	Online HDD/SSD Flash Component for VMware ESXi - MB001000GWFVK and MB002000GWFVL Drives	CP065937.zip	MB002000GWFVL	HPG6 (K)	HPG6
830	Online HDD/SSD Flash Component for VMware ESXi - MB001000GWJAN, MB002000GWFVA and MB004000GWFVB Drives	CP065995.zip	MB004000GWFVB	HPG1 (K)	HPG1
831	Online HDD/SSD Flash Component for VMware ESXi - MB001000GWJAN, MB002000GWFVA and MB004000GWFVB Drives	CP065995.zip	MB002000GWFVA	HPG1 (K)	HPG1
832	Online HDD/SSD Flash Component for VMware ESXi - MB001000GWJAN, MB002000GWFVA and MB004000GWFVB Drives	CP065995.zip	MB001000GWJAN	HPG1 (K)	HPG1
833	Online HDD/SSD Flash Component for VMware ESXi - MB004000GWKGV Drive	CP065987.zip	MB004000GWKGV	HPG1 (K)	HPG1
834	Online HDD/SSD Flash Component for VMware ESXi - MB006000GWKGR Drive	CP065934.zip	MB006000GWKGR	HPG1 (K)	HPG1
835	Online HDD/SSD Flash Component for VMware ESXi - MB010000GYDKP, MB012000GYCJL, MB014000GYCJT, MB016000GYDKQ and MB018000GYDKR Drives	CP065972.zip	MB010000GYDKP	HPG2 (C)	HPG2
836	Online HDD/SSD Flash Component for VMware ESXi - MB010000GYDKP, MB012000GYCJL, MB014000GYCJT, MB016000GYDKQ and MB018000GYDKR Drives	CP065972.zip	MB016000GYDKQ	HPG2 (C)	HPG2
837	Online HDD/SSD Flash Component for VMware ESXi - MB010000GYDKP, MB012000GYCJL, MB014000GYCJT, MB016000GYDKQ and MB018000GYDKR Drives	CP065972.zip	MB018000GYDKR	HPG2 (C)	HPG2
838	Online HDD/SSD Flash Component for VMware ESXi - MB010000GYDKP, MB012000GYCJL, MB014000GYCJT, MB016000GYDKQ and MB018000GYDKR Drives	CP065972.zip	MB012000GYCJL	HPG2 (C)	HPG2
839	Online HDD/SSD Flash Component for VMware ESXi - MB010000GYDKP, MB012000GYCJL, MB014000GYCJT, MB016000GYDKQ and MB018000GYDKR Drives	CP065972.zip	MB014000GYCJT	HPG2 (C)	HPG2
840	Online HDD/SSD Flash Component for VMware ESXi - MB012000GWDFE Drive	CP065936.zip	MB012000GWDFE	HPG5 (C)	HPG5
841	Online HDD/SSD Flash Component for VMware ESXi - MB012000GWTFE and	CP065997.zip	MB014000GWTFE	HPG8 (C)	HPG8

	MB014000GWTFF Drives				
842	Online HDD/SSD Flash Component for VMware ESXi - MB012000GWTFF and MB014000GWTFF Drives	CP065997.zip	MB012000GWTFF	HPG8 (C)	HPG8
843	Online HDD/SSD Flash Component for VMware ESXi - MB012000GZYVT, MB014000GZYVU, MB016000GZYVV and MB018000GYCLL Drives	CP065980.zip	MB012000GZYVT	HPG4 (C)	HPG4
844	Online HDD/SSD Flash Component for VMware ESXi - MB012000GZYVT, MB014000GZYVU, MB016000GZYVV and MB018000GYCLL Drives	CP065980.zip	MB014000GZYVU	HPG4 (C)	HPG4
845	Online HDD/SSD Flash Component for VMware ESXi - MB012000GZYVT, MB014000GZYVU, MB016000GZYVV and MB018000GYCLL Drives	CP065980.zip	MB016000GZYVV	HPG4 (C)	HPG4
846	Online HDD/SSD Flash Component for VMware ESXi - MB012000GZYVT, MB014000GZYVU, MB016000GZYVV and MB018000GYCLL Drives	CP065980.zip	MB018000GYCLL	HPG4 (C)	HPG4
847	Online HDD/SSD Flash Component for VMware ESXi - MB016000GWXKK Drive	CP065948.zip	MB016000GWXKK	HPG4 (C)	HPG4
848	Online HDD/SSD Flash Component for VMware ESXi - MB018000GXMTK and MB020000GXMTQ Drives	CP065977.zip	MB020000GXMTQ	HPG3 (B)	HPG3
849	Online HDD/SSD Flash Component for VMware ESXi - MB018000GXMTK and MB020000GXMTQ Drives	CP065977.zip	MB018000GXMTK	HPG3 (B)	HPG3
850	Online HDD/SSD Flash Component for VMware ESXi - MK000480GWXFF, MK000960GWXFFH, MK001920GWXFK and MK003840GWXFL Drives	CP065978.zip	MK003840GWXFL	HPG3 (C)	HPG3
851	Online HDD/SSD Flash Component for VMware ESXi - MK000480GWXFF, MK000960GWXFFH, MK001920GWXFK and MK003840GWXFL Drives	CP065978.zip	MK001920GWXFK	HPG3 (C)	HPG3
852	Online HDD/SSD Flash Component for VMware ESXi - MK000480GWXFF, MK000960GWXFFH, MK001920GWXFK and MK003840GWXFL Drives	CP065978.zip	MK000960GWXFFH	HPG3 (C)	HPG3
853	Online HDD/SSD Flash Component for VMware ESXi - MK000480GWXFF, MK000960GWXFFH, MK001920GWXFK and MK003840GWXFL Drives	CP065978.zip	MK000480GWXFF	HPG3 (C)	HPG3
854	Online HDD/SSD Flash Component for VMware ESXi - MK000480GZXRA, MK000960GZXRB, MK001920GZXRC and MK003840GZXRV Drives.	CP065947.zip	MK000480GZXRA	HPG1 (C)	HPG1
855	Online HDD/SSD Flash Component for VMware ESXi - MK000480GZXRA, MK000960GZXRB, MK001920GZXRC and MK003840GZXRV Drives.	CP065947.zip	MK001920GZXRC	HPG1 (C)	HPG1
856	Online HDD/SSD Flash Component for VMware ESXi - MK000480GZXRA, MK000960GZXRB, MK001920GZXRC and MK003840GZXRV Drives.	CP065947.zip	MK000960GZXRB	HPG1 (C)	HPG1

857	Online HDD/SSD Flash Component for VMware ESXi - MK000480GZXRA, MK000960GZXR, MK001920GZXR and MK003840GZXR Drives.	CP065947.zip	MK003840GZXR	HPG1 (C)	HPG1
858	Online HDD/SSD Flash Component for VMware ESXi - MM1000GFJTE Drive	CP066002.zip	MM1000GFJTE	HPG6 (E)	HPG6
859	Online HDD/SSD Flash Component for VMware ESXi - MM2000GEFRA Drive	CP066001.zip	MM2000GEFRA	HPG9 (E)	HPG9
860	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTT, VK003840GWTTD, MK000480GWTTT, MK000960GWTTK, MK001920GWTTL and MK003840GWTTN Drives	CP065970.zip	VK003840GWTTD	HPG7 (D)	HPG7
861	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTT, VK003840GWTTD, MK000480GWTTT, MK000960GWTTK, MK001920GWTTL and MK003840GWTTN Drives	CP065970.zip	MK003840GWTTN	HPG7 (D)	HPG7
862	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
863	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
864	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
865	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
866	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTT, VK003840GWTTD, MK000480GWTTT, MK000960GWTTK, MK001920GWTTL and	CP065970.zip	VK000480GWTTA	HPG7 (D)	HPG7

	MK003840GWTTN Drives				
867	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTT, MK000480GWTTT, MK000960GWTTK, MK001920GWTTL and MK003840GWTTN Drives	CP065970.zip	MK000480GWTTT	HPG7 (D)	HPG7
868	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTT, MK000480GWTTT, MK000960GWTTK, MK001920GWTTL and MK003840GWTTN Drives	CP065970.zip	VK000240GWTSV	HPG7 (D)	HPG7
869	Online HDD/SSD Flash Component for VMware ESXi - VK000240GZXRU, VK000480GZXRF, VK000960GZXQU, VK001920GZXQV, VK003840GZXRH and VK007680GZXRT Drives.	CP065949.zip	VK001920GZXQV	HPG1 (C)	HPG1
870	Online HDD/SSD Flash Component for VMware ESXi - VK000240GZXRU, VK000480GZXRF, VK000960GZXQU, VK001920GZXQV, VK003840GZXRH and VK007680GZXRT Drives.	CP065949.zip	VK003840GZXRH	HPG1 (C)	HPG1
871	Online HDD/SSD Flash Component for VMware ESXi - VK000240GZXRU, VK000480GZXRF, VK000960GZXQU, VK001920GZXQV, VK003840GZXRH and VK007680GZXRT Drives.	CP065949.zip	VK007680GZXRT	HPG1 (C)	HPG1
872	Online HDD/SSD Flash Component for VMware ESXi - VK000240GZXRU, VK000480GZXRF, VK000960GZXQU, VK001920GZXQV, VK003840GZXRH and VK007680GZXRT Drives.	CP065949.zip	VK000960GZXQU	HPG1 (C)	HPG1
873	Online HDD/SSD Flash Component for VMware ESXi - VK000240GZXRU, VK000480GZXRF, VK000960GZXQU, VK001920GZXQV, VK003840GZXRH and VK007680GZXRT Drives.	CP065949.zip	VK000480GZXRF	HPG1 (C)	HPG1
874	Online HDD/SSD Flash Component for VMware ESXi - VK000240GZXRU, VK000480GZXRF, VK000960GZXQU, VK001920GZXQV, VK003840GZXRH and VK007680GZXRT Drives.	CP065949.zip	VK000240GZXRU	HPG1 (C)	HPG1
875	Online HDD/SSD Flash Component for VMware ESXi - VK000480GZCNE, VK000960GZCNF, VK001920GZCNH and VK003840GZCNK Drives	CP065982.zip	VK000480GZCNE	HPG3 (C)	HPG3
876	Online HDD/SSD Flash Component for VMware ESXi - VK000480GZCNE, VK000960GZCNF, VK001920GZCNH and VK003840GZCNK Drives	CP065982.zip	VK000960GZCNF	HPG3 (C)	HPG3
877	Online HDD/SSD Flash Component for VMware ESXi - VK000480GZCNE, VK000960GZCNF, VK001920GZCNH and	CP065982.zip	VK001920GZCNH	HPG3 (C)	HPG3

	VK003840GZCNK Drives				
878	Online HDD/SSD Flash Component for VMware ESXi - VK000480GZCNE, VK000960GZCNF, VK001920GZCNH and VK003840GZCNK Drives	CP065982.zip	VK003840GZCNK	HPG3 (C)	HPG3
879	Online HDD/SSD Flash Component for Windows (x64) - MB001000GWFVK and MB002000GWFVL Drives	cp065095.exe	MB001000GWFVK	HPG6 (J)	HPG6
880	Online HDD/SSD Flash Component for Windows (x64) - MB001000GWFVK and MB002000GWFVL Drives	cp065095.exe	MB002000GWFVL	HPG6 (J)	HPG6
881	Online HDD/SSD Flash Component for Windows (x64) - MB001000GWJAN, MB002000GWFVA and MB004000GWFVB Drives	cp065066.exe	MB004000GWFVB	HPG1 (J)	HPG1
882	Online HDD/SSD Flash Component for Windows (x64) - MB001000GWJAN, MB002000GWFVA and MB004000GWFVB Drives	cp065066.exe	MB002000GWFVA	HPG1 (J)	HPG1
883	Online HDD/SSD Flash Component for Windows (x64) - MB001000GWJAN, MB002000GWFVA and MB004000GWFVB Drives	cp065066.exe	MB001000GWJAN	HPG1 (J)	HPG1
884	Online HDD/SSD Flash Component for Windows (x64) - MB004000GWKGV Drive	cp065089.exe	MB004000GWKGV	HPG1 (J)	HPG1
885	Online HDD/SSD Flash Component for Windows (x64) - MB006000GWKGR Drive	cp065090.exe	MB006000GWKGR	HPG1 (J)	HPG1
886	Online HDD/SSD Flash Component for Windows (x64) - MB010000GYDKP, MB012000GYCJL, MB014000GYCJT, MB016000GYDKQ and MB018000GYDKR Drives	cp065086.exe	MB010000GYDKP	HPG2 (C)	HPG2
887	Online HDD/SSD Flash Component for Windows (x64) - MB010000GYDKP, MB012000GYCJL, MB014000GYCJT, MB016000GYDKQ and MB018000GYDKR Drives	cp065086.exe	MB016000GYDKQ	HPG2 (C)	HPG2
888	Online HDD/SSD Flash Component for Windows (x64) - MB010000GYDKP, MB012000GYCJL, MB014000GYCJT, MB016000GYDKQ and MB018000GYDKR Drives	cp065086.exe	MB018000GYDKR	HPG2 (C)	HPG2
889	Online HDD/SSD Flash Component for Windows (x64) - MB010000GYDKP, MB012000GYCJL, MB014000GYCJT, MB016000GYDKQ and MB018000GYDKR Drives	cp065086.exe	MB012000GYCJL	HPG2 (C)	HPG2
890	Online HDD/SSD Flash Component for Windows (x64) - MB010000GYDKP, MB012000GYCJL, MB014000GYCJT, MB016000GYDKQ and MB018000GYDKR Drives	cp065086.exe	MB014000GYCJT	HPG2 (C)	HPG2
891	Online HDD/SSD Flash Component for Windows (x64) - MB012000GWDFE	cp065094.exe	MB012000GWDFE	HPG5 (C)	HPG5

	Drive				
892	Online HDD/SSD Flash Component for Windows (x64) - MB012000GWTFE and MB014000GWTFE Drives	cp065069.exe	MB014000GWTFE	HPG8 (D)	HPG8
893	Online HDD/SSD Flash Component for Windows (x64) - MB012000GWTFE and MB014000GWTFE Drives	cp065069.exe	MB012000GWTFE	HPG8 (D)	HPG8
894	Online HDD/SSD Flash Component for Windows (x64) - MB012000GZYVT, MB014000GZYVU, MB016000GZYVV and MB018000GYCLL Drives	cp065022.exe	MB012000GZYVT	HPG4 (C)	HPG4
895	Online HDD/SSD Flash Component for Windows (x64) - MB012000GZYVT, MB014000GZYVU, MB016000GZYVV and MB018000GYCLL Drives	cp065022.exe	MB014000GZYVU	HPG4 (C)	HPG4
896	Online HDD/SSD Flash Component for Windows (x64) - MB012000GZYVT, MB014000GZYVU, MB016000GZYVV and MB018000GYCLL Drives	cp065022.exe	MB016000GZYVV	HPG4 (C)	HPG4
897	Online HDD/SSD Flash Component for Windows (x64) - MB012000GZYVT, MB014000GZYVU, MB016000GZYVV and MB018000GYCLL Drives	cp065022.exe	MB018000GYCLL	HPG4 (C)	HPG4
898	Online HDD/SSD Flash Component for Windows (x64) - MB016000GWXKK Drive	cp065030.exe	MB016000GWXKK	HPG4 (C)	HPG4
899	Online HDD/SSD Flash Component for Windows (x64) - MB018000GXMTQ and MB020000GXMTQ Drives	cp065088.exe	MB020000GXMTQ	HPG3 (B)	HPG3
900	Online HDD/SSD Flash Component for Windows (x64) - MB018000GXMTQ and MB020000GXMTQ Drives	cp065088.exe	MB018000GXMTQ	HPG3 (B)	HPG3
901	Online HDD/SSD Flash Component for Windows (x64) - MK000480GWXFF, MK000960GWXFF, MK001920GWXFK and MK003840GWXFL Drives	cp065061.exe	MK003840GWXFL	HPG3 (C)	HPG3
902	Online HDD/SSD Flash Component for Windows (x64) - MK000480GWXFF, MK000960GWXFF, MK001920GWXFK and MK003840GWXFL Drives	cp065061.exe	MK001920GWXFK	HPG3 (C)	HPG3
903	Online HDD/SSD Flash Component for Windows (x64) - MK000480GWXFF, MK000960GWXFF, MK001920GWXFK and MK003840GWXFL Drives	cp065061.exe	MK000960GWXFF	HPG3 (C)	HPG3
904	Online HDD/SSD Flash Component for Windows (x64) - MK000480GWXFF, MK000960GWXFF, MK001920GWXFK and MK003840GWXFL Drives	cp065061.exe	MK000480GWXFF	HPG3 (C)	HPG3
905	Online HDD/SSD Flash Component for Windows (x64) - MK000480GZXRA, MK000960GZXRB, MK001920GZXRC and MK003840GZXRV Drives	cp065074.exe	MK000480GZXRA	HPG1 (C)	HPG1
906	Online HDD/SSD Flash Component for Windows (x64) - MK000480GZXRA, MK000960GZXRB, MK001920GZXRC and MK003840GZXRV Drives	cp065074.exe	MK001920GZXRC	HPG1 (C)	HPG1

907	Online HDD/SSD Flash Component for Windows (x64) - MK000480GZXRA, MK000960GZXRB, MK001920GZXRC and MK003840GZXRV Drives	cp065074.exe	MK000960GZXRB	HPG1 (C)	HPG1
908	Online HDD/SSD Flash Component for Windows (x64) - MK000480GZXRA, MK000960GZXRB, MK001920GZXRC and MK003840GZXRV Drives	cp065074.exe	MK003840GZXRV	HPG1 (C)	HPG1
909	Online HDD/SSD Flash Component for Windows (x64) - MM1000GFJTE Drive	cp065060.exe	MM1000GFJTE	HPG6 (D)	HPG6
910	Online HDD/SSD Flash Component for Windows (x64) - MM2000GEFRA Drive	cp065057.exe	MM2000GEFRA	HPG9 (D)	HPG9
911	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
912	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTT, VK003840GWTTD, MK000480GWTTT, MK000960GWTTK, MK001920GWTTL and MK003840GWTTN Drives	cp065014.exe	MK003840GWTTN	HPG7 (D)	HPG7
913	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
914	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
915	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
916	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
917	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWTSV,	cp065014.exe	VK000480GWTTA	HPG7 (D)	HPG7

	VK000480GWTTA, VK000960GWTTB, VK001920GWTTTC, VK003840GWTTD, MK000480GWTTTH, MK000960GWTTK, MK001920GWTTTL and MK003840GWTTN Drives				
918	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTTC, VK003840GWTTD, MK000480GWTTTH, MK000960GWTTK, MK001920GWTTTL and MK003840GWTTN Drives	cp065014.exe	MK000480GWTTTH	HPG7 (D)	HPG7
919	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTTC, VK003840GWTTD, MK000480GWTTTH, MK000960GWTTK, MK001920GWTTTL and MK003840GWTTN Drives	cp065014.exe	VK000240GWTSV	HPG7 (D)	HPG7
920	Online HDD/SSD Flash Component for Windows (x64) - VK000240GZXRU, VK000480GZXRF, VK000960GZXQU, VK001920GZXQV, VK003840GZXRH and VK007680GZXRT Drives	cp065075.exe	VK001920GZXQV	HPG1 (C)	HPG1
921	Online HDD/SSD Flash Component for Windows (x64) - VK000240GZXRU, VK000480GZXRF, VK000960GZXQU, VK001920GZXQV, VK003840GZXRH and VK007680GZXRT Drives	cp065075.exe	VK003840GZXRH	HPG1 (C)	HPG1
922	Online HDD/SSD Flash Component for Windows (x64) - VK000240GZXRU, VK000480GZXRF, VK000960GZXQU, VK001920GZXQV, VK003840GZXRH and VK007680GZXRT Drives	cp065075.exe	VK007680GZXRT	HPG1 (C)	HPG1
923	Online HDD/SSD Flash Component for Windows (x64) - VK000240GZXRU, VK000480GZXRF, VK000960GZXQU, VK001920GZXQV, VK003840GZXRH and VK007680GZXRT Drives	cp065075.exe	VK000960GZXQU	HPG1 (C)	HPG1
924	Online HDD/SSD Flash Component for Windows (x64) - VK000240GZXRU, VK000480GZXRF, VK000960GZXQU, VK001920GZXQV, VK003840GZXRH and VK007680GZXRT Drives	cp065075.exe	VK000480GZXRF	HPG1 (C)	HPG1
925	Online HDD/SSD Flash Component for Windows (x64) - VK000240GZXRU, VK000480GZXRF, VK000960GZXQU, VK001920GZXQV, VK003840GZXRH and VK007680GZXRT Drives	cp065075.exe	VK000240GZXRU	HPG1 (C)	HPG1
926	Online HDD/SSD Flash Component for Windows (x64) - VK000480GZCNE, VK000960GZCNF, VK001920GZCNH and VK003840GZCNK Drives	cp065062.exe	VK000480GZCNE	HPG3 (C)	HPG3
927	Online HDD/SSD Flash Component for Windows (x64) - VK000480GZCNE, VK000960GZCNF, VK001920GZCNH and	cp065062.exe	VK000960GZCNF	HPG3 (C)	HPG3

	VK003840GZCNK Drives				
928	Online HDD/SSD Flash Component for Windows (x64) - VK000480GZCNE, VK000960GZCNF, VK001920GZCNH and VK003840GZCNK Drives	cp065062.exe	VK001920GZCNH	HPG3 (C)	HPG3
929	Online HDD/SSD Flash Component for Windows (x64) - VK000480GZCNE, VK000960GZCNF, VK001920GZCNH and VK003840GZCNK Drives	cp065062.exe	VK003840GZCNK	HPG3 (C)	HPG3
930	Universal Firmware Package for Drives - MB002000GYDNK and MB004000GYDPD	Seagate_CimarronBP_SCIMARBPNTG2.fwpkg	MB002000GYDNK	HPG2	HPG2
931	Universal Firmware Package for Drives - MB002000GYDNK and MB004000GYDPD	Seagate_CimarronBP_SCIMARBPNTG2.fwpkg	MB004000GYDPD	HPG2	HPG2
932	Universal Firmware Package for Drives - MB004000GWZVT	Toshiba_MG08Air_TA MG08ADAnG3.fwpkg	MB004000GWZVT	HPG3	HPG3
933	Universal Firmware Package for Drives - MB006000GWZVL and MB008000GWZVN	Toshiba_MG08Air_TA MG08ADAeG3.fwpkg	MB006000GWZVL	HPG3	HPG3
934	Universal Firmware Package for Drives - MB006000GWZVL and MB008000GWZVN	Toshiba_MG08Air_TA MG08ADAeG3.fwpkg	MB008000GWZVN	HPG3	HPG3
935	Universal Firmware Package for Drives - MB006000GYDNL, MB008000GYDPE and MB010000GYDNN	Seagate_CimarronBP_SCIMARBPETG2.fwpkg	MB006000GYDNL	HPG2	HPG2
936	Universal Firmware Package for Drives - MB006000GYDNL, MB008000GYDPE and MB010000GYDNN	Seagate_CimarronBP_SCIMARBPETG2.fwpkg	MB008000GYDPE	HPG2	HPG2
937	Universal Firmware Package for Drives - MB006000GYDNL, MB008000GYDPE and MB010000GYDNN	Seagate_CimarronBP_SCIMARBPETG2.fwpkg	MB010000GYDNN	HPG2	HPG2
938	Universal Firmware Package for Drives - MB12000GYESP, MB16000GYEVF and MB20000GYEVH	Seagate_Summit_SU MMITSUANG1.fwpkg	MB12000GYESP	HPG1	HPG1
939	Universal Firmware Package for Drives - MB12000GYESP, MB16000GYEVF and MB20000GYEVH	Seagate_Summit_SU MMITSUANG1.fwpkg	MB16000GYEVF	HPG1	HPG1
940	Universal Firmware Package for Drives - MB12000GYESP, MB16000GYEVF and MB20000GYEVH	Seagate_Summit_SU MMITSUANG1.fwpkg	MB20000GYEVH	HPG1	HPG1
941	Universal Firmware Package for Drives - MB24000GYEVK	Seagate_Summit_SU MMITSUASG1.fwpkg	MB24000GYEVK	HPG1	HPG1
942	Universal Firmware Package for Drives - MK000480GYCNT ,MK000960GYCNP ,MK001920GYCNF ,MK003840GYCNQ ,VK000240GYCNU ,VK000480GYCNH ,VK000960GYCNK ,VK001920GYCNL ,VK003840GYCNN ,VK007680GYCNE ,VR000240GX PQT and VR000480GXPQU	Solidigm_S4X20_4IYY HPG4.fwpkg	MK000480GYCNT	HPG4	HPG4
943	Universal Firmware Package for Drives - MK000480GYCNT ,MK000960GYCNP ,MK001920GYCNF ,MK003840GYCNQ ,VK000240GYCNU ,VK000480GYCNH ,VK000960GYCNK ,VK001920GYCNL ,VK003840GYCNN ,VK007680GYCNE ,VR000240GX	Solidigm_S4X20_4IYY HPG4.fwpkg	MK000960GYCNP	HPG4	HPG4

	PQT and VR000480GXPQU				
944	Universal Firmware Package for Drives - MK000480GYCNT ,MK000960GYCNP ,MK001920GYCNF ,MK003840GYCNQ ,VK000240GYCNU ,VK000480GYCNH ,VK000960GYCNK ,VK001920GYCNL ,VK003840GYCNN ,VK007680GYCNE ,VR000240GX PQT and VR000480GXPQU	Solidigm_S4X20_4IYY HPG4.fwpkg	MK001920GYCNF	HPG4	HPG4
945	Universal Firmware Package for Drives - MK000480GYCNT ,MK000960GYCNP ,MK001920GYCNF ,MK003840GYCNQ ,VK000240GYCNU ,VK000480GYCNH ,VK000960GYCNK ,VK001920GYCNL ,VK003840GYCNN ,VK007680GYCNE ,VR000240GX PQT and VR000480GXPQU	Solidigm_S4X20_4IYY HPG4.fwpkg	MK003840GYCNQ	HPG4	HPG4
946	Universal Firmware Package for Drives - MK000480GYCNT ,MK000960GYCNP ,MK001920GYCNF ,MK003840GYCNQ ,VK000240GYCNU ,VK000480GYCNH ,VK000960GYCNK ,VK001920GYCNL ,VK003840GYCNN ,VK007680GYCNE ,VR000240GX PQT and VR000480GXPQU	Solidigm_S4X20_4IYY HPG4.fwpkg	VK000240GYCNU	HPG4	HPG4
947	Universal Firmware Package for Drives - MK000480GYCNT ,MK000960GYCNP ,MK001920GYCNF ,MK003840GYCNQ ,VK000240GYCNU ,VK000480GYCNH ,VK000960GYCNK ,VK001920GYCNL ,VK003840GYCNN ,VK007680GYCNE ,VR000240GX PQT and VR000480GXPQU	Solidigm_S4X20_4IYY HPG4.fwpkg	VK000480GYCNH	HPG4	HPG4
948	Universal Firmware Package for Drives - MK000480GYCNT ,MK000960GYCNP ,MK001920GYCNF ,MK003840GYCNQ ,VK000240GYCNU ,VK000480GYCNH ,VK000960GYCNK ,VK001920GYCNL ,VK003840GYCNN ,VK007680GYCNE ,VR000240GX PQT and VR000480GXPQU	Solidigm_S4X20_4IYY HPG4.fwpkg	VK000960GYCNK	HPG4	HPG4
949	Universal Firmware Package for Drives - MK000480GYCNT ,MK000960GYCNP ,MK001920GYCNF ,MK003840GYCNQ ,VK000240GYCNU ,VK000480GYCNH ,VK000960GYCNK ,VK001920GYCNL ,VK003840GYCNN ,VK007680GYCNE ,VR000240GX PQT and VR000480GXPQU	Solidigm_S4X20_4IYY HPG4.fwpkg	VK001920GYCNL	HPG4	HPG4
950	Universal Firmware Package for Drives - MK000480GYCNT ,MK000960GYCNP ,MK001920GYCNF ,MK003840GYCNQ ,VK000240GYCNU ,VK000480GYCNH ,VK000960GYCNK ,VK001920GYCNL ,VK003840GYCNN ,VK007680GYCNE ,VR000240GX PQT and VR000480GXPQU	Solidigm_S4X20_4IYY HPG4.fwpkg	VK003840GYCNN	HPG4	HPG4
951	Universal Firmware Package for Drives - MK000480GYCNT ,MK000960GYCNP ,MK001920GYCNF ,MK003840GYCNQ ,VK000240GYCNU ,VK000480GYCNH ,VK000960GYCNK ,VK001920GYCNL ,VK003840GYCNN ,VK007680GYCNE ,VR000240GX	Solidigm_S4X20_4IYY HPG4.fwpkg	VK007680GYCNE	HPG4	HPG4

	PQT and VR000480GXPQU				
952	Universal Firmware Package for Drives - MK000480GYCNT ,MK000960GYCNP ,MK001920GYCNF ,MK003840GYCNQ ,VK000240GYCNU ,VK000480GYCNH ,VK000960GYCNK ,VK001920GYCNL ,VK003840GYCNN ,VK007680GYCNE ,VR000240GX PQT and VR000480GXPQU	Solidigm_S4X20_4IYY HPG4.fwpkg	VR000240GXPQT	HPG4	HPG4
953	Universal Firmware Package for Drives - MK000480GYCNT ,MK000960GYCNP ,MK001920GYCNF ,MK003840GYCNQ ,VK000240GYCNU ,VK000480GYCNH ,VK000960GYCNK ,VK001920GYCNL ,VK003840GYCNN ,VK007680GYCNE ,VR000240GX PQT and VR000480GXPQU	Solidigm_S4X20_4IYY HPG4.fwpkg	VR000480GXPQU	HPG4	HPG4

Firmware--Storage Controller

No.	Description	Package filename	Device	Package Version	Firmware/Driver version
954	Firmware Package - HA800 G3 Boot Controller NS204i-u, NS204i-d and HA800 G2 Boot Controller NS204i-p, NS204i-d, NS204i-t, NS204i-r	HPE_NS204i_Gen10p_Gen11_1.2.14.1018_C.fwpkg	NS204i-u Boot Controller	1.2.14.1018 (C)	1.2.14.1018
955	Firmware Package - MR216i-o HA800 G3 Tri Mode Controller	HPE_MR216i-o_Gen11_52.30.3-5917_B.fwpkg	MR216i-o_HA800 G3	52.30.3-5917 (B)	52.30.3-5917
956	Firmware Package - MR216i-p HA800 G3 Tri Mode Controller	HPE_MR216i-p_Gen11_52.30.3-5917_B.fwpkg	MR216i-p_HA800 G3	52.30.3-5917 (B)	52.30.3-5917
957	Firmware Package - MR408i-o HA800 G3 Tri Mode Controller	HPE_MR408i-o_Gen11_52.30.3-5917_B.fwpkg	MR408i-o_HA800 G3	52.30.3-5917 (B)	52.30.3-5917
958	Firmware Package - MR408i-p HA800 G3 Tri Mode Controller	HPE_MR408i-p_Gen11_52.30.3-5917_B.fwpkg	MR408i-p_HA800 G3	52.30.3-5917 (B)	52.30.3-5917
959	Firmware Package - MR416i-o HA800 G3 Tri Mode Controller	HPE_MR416i-o_Gen11_52.30.3-5917_B.fwpkg	MR416i-o_HA800 G3	52.30.3-5917 (B)	52.30.3-5917
960	Firmware Package - MR416i-p HA800 G3 Tri Mode Controller	HPE_MR416i-p_Gen11_52.30.3-5917_B.fwpkg	MR416i-p_HA800 G3	52.30.3-5917 (B)	52.30.3-5917
961	Firmware Package - SR932i-p HA800 G2 /SR416i-a HA800 G2/SR932i-p HA800 G3/SR416ie-m HA800 G3 Controllers	HPE_SR416_SR932_Gen10P_Gen11_03.01.33.044_A.fwpkg	SR932i-p HA800 G3	03.01.33.044	03.01.33.044
962	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 HA800 and SR308i-o,SR308i-p HA800 G3 controllers	HPE_SR_Gen10_7.43_A.fwpkg	Smart Array E208e-p SR HA800 Controller	7.43	7.43

Firmware--Storage Disk

No.	Description	Package filename	Device	Package Version	Firmware/Driver version
963	Online NVMe SSD Flash Component for Linux - MZ1L21T9HCLS-00A07, MZ1L23T8HBLA-00A07 and MZ1L2960HCJR-00A07 Drive	firmware-hdd-samsung-pm9a3-GDC7502Q-3.1.x86_64.rpm	MZ1L21T9HCLS-00A07	GDC7502Q (C)	GDC7502Q
964	Online NVMe SSD Flash Component for Linux - MZ1L21T9HCLS-00A07, MZ1L23T8HBLA-00A07 and MZ1L2960HCJR-00A07 Drive	firmware-hdd-samsung-pm9a3-GDC7502Q-3.1.x86_64.rpm	MZ1L23T8HBLA-00A07	GDC7502Q (C)	GDC7502Q
965	Online NVMe SSD Flash Component for Linux - MZ1L21T9HCLS-00A07, MZ1L23T8HBLA-00A07 and MZ1L2960HCJR-00A07 Drive	firmware-hdd-samsung-pm9a3-GDC7502Q-3.1.x86_64.rpm	MZ1L2960HCJR-00A07	GDC7502Q (C)	GDC7502Q

Firmware--Storage Fibre Channel

No.	Description	Package filename	Device	Package Version	Firmware/Driver version
966	Firmware Flash for Emulex 32Gb and 64Gb Fibre Channel Host Bus Adapters	P14.4.473.14_header.pldm.fwpkg	SN1700E 64Gb Dual Port Fibre Channel Host Bus Adapter	14.4.473.14	14.4.473.14
967	Firmware Flash for Emulex 32Gb and 64Gb Fibre Channel Host Bus Adapters	P14.4.473.14_header.pldm.fwpkg	SN1700E 64Gb Single Port Fibre Channel Host Bus Adapter	14.4.473.14	14.4.473.14
968	Firmware Flash for Emulex 32Gb and 64Gb Fibre Channel Host Bus Adapters	P14.4.473.14_header.pldm.fwpkg	SN1610E 32Gb 1-port Fibre Channel Host Bus Adapter	14.4.473.14	14.4.473.14
969	Firmware Flash for Emulex 32Gb and 64Gb Fibre Channel Host Bus Adapters	P14.4.473.14_header.pldm.fwpkg	SN1610E 32Gb 2-port Fibre Channel Host Bus Adapter	14.4.473.14	14.4.473.14
970	Firmware Flash for QLogic 32Gb and 64Gb Fibre Channel Host Bus Adapters	mh021008.upd_header.pldm.fwpkg	SN1610Q 32Gb 1-port Fibre Channel Host Bus Adapter	02.10.08	02.10.08
971	Firmware Flash for QLogic 32Gb and 64Gb Fibre Channel Host Bus Adapters	mh021008.upd_header.pldm.fwpkg	SN1610Q 32Gb 2-port Fibre Channel Host Bus Adapter	02.10.08	02.10.08

Firmware--System

No.	Description	Package filename	Device	Package Version	Firmware/Driver version
972	Firmware Package - UBM10 Backplane PIC PLDM Firmware	HPE_UBM10_1.02_A.fwpkg	UBM10 Backplane PIC	1.02	1.02
973	Firmware Package - UBM2 Backplane PIC PLDM Firmware for HA800/HA800	HPE_UBM2_1.20_F.fwpkg	UBM2 Backplane PIC	1.20 (F)	1.20

	G2/HA800 G3 Servers				
974	Firmware Package - UBM3 Backplane PIC PLDM Firmware for HA800 and HA800 G2 and HA800 G3 servers usage	HPE_UBM3_1.24_G.f wpkg	UBM3 Backplane PIC	1.24 (G)	1.24
975	Firmware Package - UBM4 Backplane PIC PLDM Firmware for HA800 G2/HA800 G3/HA800 G6 servers usage	HPE_UBM4_1.24_G.f wpkg	UBM4 Backplane PIC	1.24 (G)	1.24
976	Firmware Package - UBM5 Backplane PIC PLDM Firmware for HA800 G3 servers usage	HPE_UBM5_1.16_A.f wpkg	UBM5 Backplane PIC	1.16	1.16
977	Firmware Package - UBM6 Backplane PIC PLDM Firmware for HA800/HA800 G2/HA800 G3/HA800 G6 servers usage	HPE_UBM6_1.04_C.f wpkg	UBM6 Backplane PIC	1.04 (C)	1.04
978	Firmware Package - UBM7 Backplane PIC PLDM Firmware	HPE_UBM7_1.10_B.f wpkg	UBM7 Backplane PIC	1.10 (B)	1.10
979	Online ROM Flash Component for Windows x64 - Server Platform Services Manageability Engine Firmware for the 4th Generation Intel Xeon Processor based systems	cp065566.exe	U63 ME Seamless Update Image	06.01.04.07 5.0 (B)	6.1.4.75
980	Online ROM Flash Component for Windows x64 - Server Platform Services Manageability Engine Firmware for the 4th Generation Intel Xeon Processor based systems	cp065561.exe	U54 ME Seamless Update Image	06.01.04.07 5.0 (B)	6.1.4.75
981	Online ROM Flash Component for Windows x64 - Server Platform Services Manageability Engine Firmware for the 4th Generation Intel Xeon Processor based systems	cp065562.exe	U58 ME Seamless Update Image	06.01.04.07 5.0 (B)	6.1.4.75
982	Online ROM Flash Component for Windows x64 - Server Platform Services Manageability Engine Firmware for the 4th Generation Intel Xeon Processor based systems	cp065592.exe	U59 ME Seamless Update Image	06.01.04.07 5.0 (B)	6.1.4.75
983	Online ROM Flash Component for Windows x64 - Server Platform Services Manageability Engine Firmware for the Intel C262 PCH based systems	cp065616.exe	Server Platform Services Manageability Engine Firmware for U65	06.03.04.04 8.0 (B)	6.3.4.48.0
984	Online ROM Flash for Linux - Server Platform Services Manageability Engine Firmware for the 4th Generation Intel Xeon Processor based systems	firmware-u54sps- 06.01.04.075.0- 1.1.x86_64.rpm	U54 ME Seamless Update Image	06.01.04.07 5.0	6.1.4.75
985	Online ROM Flash for Linux - Server Platform Services Manageability Engine Firmware for the 4th Generation Intel Xeon Processor based systems	firmware-u58sps- 06.01.04.075.0- 1.1.x86_64.rpm	U58 ME Seamless Update Image	06.01.04.07 5.0	6.1.4.75
986	Online ROM Flash for Linux - Server Platform Services Manageability Engine Firmware for the 4th Generation Intel Xeon Processor based systems	firmware-u59sps- 06.01.04.075.0- 1.1.x86_64.rpm	U59 ME Seamless Update Image	06.01.04.07 5.0	6.1.4.75
987	Online ROM Flash for Linux - Server Platform Services Manageability Engine Firmware for the 4th Generation Intel Xeon Processor based systems	firmware-u63sps- 06.01.04.075.0- 1.1.x86_64.rpm	U63 ME Seamless Update Image	06.01.04.07 5.0	6.1.4.75
988	Online ROM Flash for Linux - Server	firmware-u65sps-	Server Platform	06.03.04.04	6.3.4.48.0

	Platform Services Manageability Engine Firmware for the Intel C262 PCH based systems	06.03.04.048.0-1.1.x86_64.rpm	Services Manageability Engine Firmware for U65	8.0	
989	ROM Flash Firmware Package - Server Platform Services Manageability Engine Firmware for the 4th Generation Intel Xeon Processor based systems	OEM.SC_U63_ME_06.01.04.075.0.fwpkg	U63 ME Seamless Update Image	06.01.04.075.0	6.1.4.75
990	ROM Flash Firmware Package - Server Platform Services Manageability Engine Firmware for the 4th Generation Intel Xeon Processor based systems	OEM.SC_U54_ME_06.01.04.075.0.fwpkg	U54 ME Seamless Update Image	06.01.04.075.0	6.1.4.75
991	ROM Flash Firmware Package - Server Platform Services Manageability Engine Firmware for the 4th Generation Intel Xeon Processor based systems	OEM.SC_U59_ME_06.01.04.075.0.fwpkg	U59 ME Seamless Update Image	06.01.04.075.0	6.1.4.75
992	ROM Flash Firmware Package - Server Platform Services Manageability Engine Firmware for the Intel C262 PCH based systems	OEM.SC_U65_ME_06.03.04.048.0.fwpkg	Server Platform Services Firmware	06.03.04.048.0	6.3.4.48

Software--Light-Out Management

No.	Description	Package filename	Device	Package Version	Firmware/Driver version
993	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
994	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
995	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
996	Smart Storage Administrator (SSA) CLI Smart Component for ESXi 8.0 for HA800/HA800 G2/HA800 G3 Controllers	cp062924.zip	Smart Array E208e-p SR HA800 Controller	2025.02.01	6.45.8.0-8.0.0
997	Smart Storage Administrator (SSA) CLI Smart Component for ESXi 8.0 for HA800/HA800 G2/HA800 G3 Controllers	cp062924.zip	Smart Array S100i SR	2025.02.01	6.45.8.0-8.0.0
998	Smart Storage Administrator (SSA) CLI Smart Component for ESXi 8.0 for HA800/HA800 G2/HA800 G3 Controllers	cp062924.zip	Smart Array S100i SR	2025.02.01	6.45.8.0-8.0.0
999	Smart Storage Administrator (SSA) CLI	cp062924.zip	Smart Array S100i SR	2025.02.01	6.45.8.0-8.0.0

	Smart Component for ESXi 8.0 for HA800/HA800 G2/HA800 G3 Controllers				
1000	Smart Storage Administrator (SSA) CLI Smart Component for ESXi 8.0 for HA800/HA800 G2/HA800 G3 Controllers	cp062924.zip	SR932i-p HA800 G3	2025.02.01	6.45.8.0-8.0.0
1001	Smart Storage Administrator (SSA) CLI Smart Component for ESXi 9.0 for HA800/HA800 G2/HA800 G3 Controllers	cp064903.zip	Smart Array E208e-p SR HA800 Controller	2025.03.01	2025.03.01
1002	Smart Storage Administrator (SSA) CLI Smart Component for ESXi 9.0 for HA800/HA800 G2/HA800 G3 Controllers	cp064903.zip	Smart Array S100i SR	2025.03.01	2025.03.01
1003	Smart Storage Administrator (SSA) CLI Smart Component for ESXi 9.0 for HA800/HA800 G2/HA800 G3 Controllers	cp064903.zip	Smart Array S100i SR	2025.03.01	2025.03.01
1004	Smart Storage Administrator (SSA) CLI Smart Component for ESXi 9.0 for HA800/HA800 G2/HA800 G3 Controllers	cp064903.zip	Smart Array S100i SR	2025.03.01	2025.03.01
1005	Smart Storage Administrator (SSA) CLI Smart Component for ESXi 9.0 for HA800/HA800 G2/HA800 G3 Controllers	cp064903.zip	SR932i-p HA800 G3	2025.03.01	2025.03.01

Software--Storage Controller

No.	Description	Package filename	Device	Package Version	Firmware/Driver version
1006	MegaRAID Storage Administrator StorCLI for VMware8.0 (For HA800 G2 and HA800 G3 Controllers)	cp065471.zip	MR416i-o_HA800 G3	2025.01.01 (B)	007.3011.000 0.0000-02
1007	MegaRAID Storage Administrator StorCLI for VMware8.0 (For HA800 G2 and HA800 G3 Controllers)	cp065471.zip	MR416i-p_HA800 G3	2025.01.01 (B)	007.3011.000 0.0000-02
1008	MegaRAID Storage Administrator StorCLI for VMware8.0 (For HA800 G2 and HA800 G3 Controllers)	cp065471.zip	MR216i-o_HA800 G3	2025.01.01 (B)	007.3011.000 0.0000-02
1009	MegaRAID Storage Administrator StorCLI for VMware8.0 (For HA800 G2 and HA800 G3 Controllers)	cp065471.zip	MR408i-o_HA800 G3	2025.01.01 (B)	007.3011.000 0.0000-02
1010	MegaRAID Storage Administrator StorCLI for VMware8.0 (For HA800 G2 and HA800 G3 Controllers)	cp065471.zip	MR216i-p_HA800 G3	2025.01.01 (B)	007.3011.000 0.0000-02
1011	MegaRAID Storage Administrator StorCLI for VMware8.0 (For HA800 G2 and HA800 G3 Controllers)	cp065471.zip	MR408i-p_HA800 G3	2025.01.01 (B)	007.3011.000 0.0000-02
1012	MegaRAID Storage Administrator StorCLI for VMware9.0 (For HA800 G2 and HA800 G3 Controllers)	cp064599.zip	MR416i-o_HA800 G3	2025.01.01	2025.01.01

1013	MegaRAID Storage Administrator StorCLI for VMware9.0 (For HA800 G2 and HA800 G3 Controllers)	cp064599.zip	MR416i-p_HA800 G3	2025.01.01	2025.01.01
1014	MegaRAID Storage Administrator StorCLI for VMware9.0 (For HA800 G2 and HA800 G3 Controllers)	cp064599.zip	MR216i-o_HA800 G3	2025.01.01	2025.01.01
1015	MegaRAID Storage Administrator StorCLI for VMware9.0 (For HA800 G2 and HA800 G3 Controllers)	cp064599.zip	MR408i-o_HA800 G3	2025.01.01	2025.01.01
1016	MegaRAID Storage Administrator StorCLI for VMware9.0 (For HA800 G2 and HA800 G3 Controllers)	cp064599.zip	MR216i-p_HA800 G3	2025.01.01	2025.01.01
1017	MegaRAID Storage Administrator StorCLI for VMware9.0 (For HA800 G2 and HA800 G3 Controllers)	cp064599.zip	MR408i-p_HA800 G3	2025.01.01	2025.01.01

Software--Storage Fibre Channel

No.	Description	Package filename	Device	Package Version	Firmware/Driver version
1018	QLogic Fibre Channel driver component for VMware vSphere 8.0	cp062112.zip	SN1610Q 32Gb 1-port Fibre Channel Host Bus Adapter	2024.09.01	5.4.82.1-10EM.800.1.0.20613240
1019	QLogic Fibre Channel driver component for VMware vSphere 8.0	cp062112.zip	SN1610Q 32Gb 2-port Fibre Channel Host Bus Adapter	2024.09.01	5.4.82.1-10EM.800.1.0.20613240
1020	QLogic Fibre Channel driver component for VMware vSphere 8.0	cp061889.zip	SN1610Q 32Gb 1-port Fibre Channel Host Bus Adapter	2024.09.01	5.4.83.1-10EM.803.0.0.23710970
1021	QLogic Fibre Channel driver component for VMware vSphere 8.0	cp061889.zip	SN1610Q 32Gb 2-port Fibre Channel Host Bus Adapter	2024.09.01	5.4.83.1-10EM.803.0.0.23710970
1022	QLogic Fibre Channel driver component for VMware vSphere 9.0	cp064286.zip	SN1610Q 32Gb 1-port Fibre Channel Host Bus Adapter	2025.03.01	2025.03.01
1023	QLogic Fibre Channel driver component for VMware vSphere 9.0	cp064286.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
1024	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
1025	Agentless Management Service (iLO5, iLO 6) for Red Hat Enterprise Linux 8	amsd-3.7.0-1869.1.rhel8.x86_64.r	-	3.7.0	3.7.0-1869.1.rhel8

	Server	pm			
1026	Agentless Management Service for Microsoft Windows x64	cp065396.exe	-	4.10.0.0	4.10.0.0
1027	Agentless Management Bundle Smart Component on ESXi for HA800 G3 and HA800 G6 Servers	cp064726.zip	-	2025.03.01	802.12.1.0.25-1
1028	MegaRAID Storage Administrator StorCLI for Linux 64-bit (for HA800 and HA800 G3 Controllers)	storcli-007.3011.0000.0000-1.noarch.rpm	MR416i-o_HA800 G3	007.3011.0000.0000 (B)	007.3011.0000.0000-1
1029	MegaRAID Storage Administrator StorCLI for Linux 64-bit (for HA800 and HA800 G3 Controllers)	storcli-007.3011.0000.0000-1.noarch.rpm	MR416i-p_HA800 G3	007.3011.0000.0000 (B)	007.3011.0000.0000-1
1030	MegaRAID Storage Administrator StorCLI for Linux 64-bit (for HA800 and HA800 G3 Controllers)	storcli-007.3011.0000.0000-1.noarch.rpm	MR216i-o_HA800 G3	007.3011.0000.0000 (B)	007.3011.0000.0000-1
1031	MegaRAID Storage Administrator StorCLI for Linux 64-bit (for HA800 and HA800 G3 Controllers)	storcli-007.3011.0000.0000-1.noarch.rpm	MR408i-o_HA800 G3	007.3011.0000.0000 (B)	007.3011.0000.0000-1
1032	MegaRAID Storage Administrator StorCLI for Linux 64-bit (for HA800 and HA800 G3 Controllers)	storcli-007.3011.0000.0000-1.noarch.rpm	MR216i-p_HA800 G3	007.3011.0000.0000 (B)	007.3011.0000.0000-1
1033	MegaRAID Storage Administrator StorCLI for Linux 64-bit (for HA800 and HA800 G3 Controllers)	storcli-007.3011.0000.0000-1.noarch.rpm	MR408i-p_HA800 G3	007.3011.0000.0000 (B)	007.3011.0000.0000-1
1034	MegaRAID Storage Administrator StorCLI for Windows 64-bit (for HA800 G2 and HA800 G3 Controllers)	cp065470.exe	MR416i-o_HA800 G3	7.3011.0.0 (B)	7.3011.0.0
1035	MegaRAID Storage Administrator StorCLI for Windows 64-bit (for HA800 G2 and HA800 G3 Controllers)	cp065470.exe	MR416i-p_HA800 G3	7.3011.0.0 (B)	7.3011.0.0
1036	MegaRAID Storage Administrator StorCLI for Windows 64-bit (for HA800 G2 and HA800 G3 Controllers)	cp065470.exe	MR216i-o_HA800 G3	7.3011.0.0 (B)	7.3011.0.0
1037	MegaRAID Storage Administrator StorCLI for Windows 64-bit (for HA800 G2 and HA800 G3 Controllers)	cp065470.exe	MR408i-o_HA800 G3	7.3011.0.0 (B)	7.3011.0.0
1038	MegaRAID Storage Administrator StorCLI for Windows 64-bit (for HA800 G2 and HA800 G3 Controllers)	cp065470.exe	MR216i-p_HA800 G3	7.3011.0.0 (B)	7.3011.0.0
1039	MegaRAID Storage Administrator StorCLI for Windows 64-bit (for HA800 G2 and HA800 G3 Controllers)	cp065470.exe	MR408i-p_HA800 G3	7.3011.0.0 (B)	7.3011.0.0
1040	MegaRAID Storage Administrator for Linux 64-bit (MRSA for HA800 G2 and HA800 G3 Controllers)	MRStorageAdministrator-008.010.012.000-00.x86_64.rpm	MR416i-o_HA800 G3	8.10.12.0 (B)	008.010.012.000-00
1041	MegaRAID Storage Administrator for Linux 64-bit (MRSA for HA800 G2 and HA800 G3 Controllers)	MRStorageAdministrator-008.010.012.000-00.x86_64.rpm	MR416i-p_HA800 G3	8.10.12.0 (B)	008.010.012.000-00
1042	MegaRAID Storage Administrator for Linux 64-bit (MRSA for HA800 G2 and HA800 G3 Controllers)	MRStorageAdministrator-008.010.012.000-00.x86_64.rpm	MR216i-o_HA800 G3	8.10.12.0 (B)	008.010.012.000-00
1043	MegaRAID Storage Administrator for Linux 64-bit (MRSA for HA800 G2 and HA800 G3 Controllers)	MRStorageAdministrator-008.010.012.000-00.x86_64.rpm	MR408i-o_HA800 G3	8.10.12.0 (B)	008.010.012.000-00
1044	MegaRAID Storage Administrator for Linux 64-bit (MRSA for HA800 G2 and	MRStorageAdministrator-008.010.012.000-	MR216i-p_HA800 G3	8.10.12.0 (B)	008.010.012.000-00

	HA800 G3 Controllers)	00.x86_64.rpm			
1045	MegaRAID Storage Administrator for Linux 64-bit (MRSA for HA800 G2 and HA800 G3 Controllers)	MRStorageAdministra tor-008.010.012.000- 00.x86_64.rpm	MR408i-p_HA800 G3	8.10.12.0 (B)	008.010.012.0 00-00
1046	MegaRAID Storage Administrator for Windows 64-bit (MRSA for HA800 G2 and HA800 G3 Controllers)	cp065472.exe	MR416i-o_HA800 G3	8.10.12.0 (B)	8.10.12.0
1047	MegaRAID Storage Administrator for Windows 64-bit (MRSA for HA800 G2 and HA800 G3 Controllers)	cp065472.exe	MR416i-p_HA800 G3	8.10.12.0 (B)	8.10.12.0
1048	MegaRAID Storage Administrator for Windows 64-bit (MRSA for HA800 G2 and HA800 G3 Controllers)	cp065472.exe	MR216i-o_HA800 G3	8.10.12.0 (B)	8.10.12.0
1049	MegaRAID Storage Administrator for Windows 64-bit (MRSA for HA800 G2 and HA800 G3 Controllers)	cp065472.exe	MR408i-o_HA800 G3	8.10.12.0 (B)	8.10.12.0
1050	MegaRAID Storage Administrator for Windows 64-bit (MRSA for HA800 G2 and HA800 G3 Controllers)	cp065472.exe	MR216i-p_HA800 G3	8.10.12.0 (B)	8.10.12.0
1051	MegaRAID Storage Administrator for Windows 64-bit (MRSA for HA800 G2 and HA800 G3 Controllers)	cp065472.exe	MR408i-p_HA800 G3	8.10.12.0 (B)	8.10.12.0
1052	Smart Storage Administrator (SSA) CLI for Linux 64-bit for HA800/HA800 G2/HA800 G3 Controllers	ssacli-6.45- 8.0.x86_64.rpm	Smart Array E208e-p SR HA800 Controller	6.45.8.0	6.45-8.0
1053	Smart Storage Administrator (SSA) CLI for Linux 64-bit for HA800/HA800 G2/HA800 G3 Controllers	ssacli-6.45- 8.0.x86_64.rpm	Smart Array S100i SR	6.45.8.0	6.45-8.0
1054	Smart Storage Administrator (SSA) CLI for Linux 64-bit for HA800/HA800 G2/HA800 G3 Controllers	ssacli-6.45- 8.0.x86_64.rpm	Smart Array S100i SR	6.45.8.0	6.45-8.0
1055	Smart Storage Administrator (SSA) CLI for Linux 64-bit for HA800/HA800 G2/HA800 G3 Controllers	ssacli-6.45- 8.0.x86_64.rpm	Smart Array S100i SR	6.45.8.0	6.45-8.0
1056	Smart Storage Administrator (SSA) CLI for Linux 64-bit for HA800/HA800 G2/HA800 G3 Controllers	ssacli-6.45- 8.0.x86_64.rpm	SR932i-p HA800 G3	6.45.8.0	6.45-8.0
1057	Smart Storage Administrator (SSA) CLI for Windows 64-bit for HA800/HA800 G2/HA800 G3 Controllers	cp062921.exe	Smart Array E208e-p SR HA800 Controller	6.45.8.0	6.45.8.0
1058	Smart Storage Administrator (SSA) CLI for Windows 64-bit for HA800/HA800 G2/HA800 G3 Controllers	cp062921.exe	Smart Array S100i SR	6.45.8.0	6.45.8.0
1059	Smart Storage Administrator (SSA) CLI for Windows 64-bit for HA800/HA800 G2/HA800 G3 Controllers	cp062921.exe	Smart Array S100i SR	6.45.8.0	6.45.8.0
1060	Smart Storage Administrator (SSA) CLI for Windows 64-bit for HA800/HA800 G2/HA800 G3 Controllers	cp062921.exe	Smart Array S100i SR	6.45.8.0	6.45.8.0
1061	Smart Storage Administrator (SSA) CLI for Windows 64-bit for HA800/HA800 G2/HA800 G3 Controllers	cp062921.exe	SR932i-p HA800 G3	6.45.8.0	6.45.8.0
1062	Smart Storage Administrator (SSA) for Linux 64-bit for HA800/HA800 G2/HA800 G3 Controllers	ssa-6.45- 8.0.x86_64.rpm	Smart Array E208e-p SR HA800 Controller	6.45.8.0	6.45-8.0
1063	Smart Storage Administrator (SSA) for	ssa-6.45-	Smart Array S100i SR	6.45.8.0	6.45-8.0

	Linux 64-bit for HA800/HA800 G2/HA800 G3 Controllers	8.0.x86_64.rpm			
1064	Smart Storage Administrator (SSA) for Linux 64-bit for HA800/HA800 G2/HA800 G3 Controllers	ssa-6.45-8.0.x86_64.rpm	Smart Array S100i SR	6.45.8.0	6.45-8.0
1065	Smart Storage Administrator (SSA) for Linux 64-bit for HA800/HA800 G2/HA800 G3 Controllers	ssa-6.45-8.0.x86_64.rpm	Smart Array S100i SR	6.45.8.0	6.45-8.0
1066	Smart Storage Administrator (SSA) for Linux 64-bit for HA800/HA800 G2/HA800 G3 Controllers	ssa-6.45-8.0.x86_64.rpm	SR932i-p HA800 G3	6.45.8.0	6.45-8.0
1067	Smart Storage Administrator (SSA) for Windows 64-bit for HA800/HA800 G2/HA800 G3 Controllers	cp062923.exe	Smart Array E208e-p SR HA800 Controller	6.45.8.0	6.45.8.0
1068	Smart Storage Administrator (SSA) for Windows 64-bit for HA800/HA800 G2/HA800 G3 Controllers	cp062923.exe	Smart Array S100i SR	6.45.8.0	6.45.8.0
1069	Smart Storage Administrator (SSA) for Windows 64-bit for HA800/HA800 G2/HA800 G3 Controllers	cp062923.exe	Smart Array S100i SR	6.45.8.0	6.45.8.0
1070	Smart Storage Administrator (SSA) for Windows 64-bit for HA800/HA800 G2/HA800 G3 Controllers	cp062923.exe	Smart Array S100i SR	6.45.8.0	6.45.8.0
1071	Smart Storage Administrator (SSA) for Windows 64-bit for HA800/HA800 G2/HA800 G3 Controllers	cp062923.exe	SR932i-p HA800 G3	6.45.8.0	6.45.8.0
1072	Smart Storage Administrator Diagnostic Utility (SSADU) CLI for Linux 64-bit for HA800/HA800 G2/HA800 G3 Controllers	ssaducli-6.45-8.0.x86_64.rpm	Smart Array E208e-p SR HA800 Controller	6.45.8.0	6.45-8.0
1073	Smart Storage Administrator Diagnostic Utility (SSADU) CLI for Linux 64-bit for HA800/HA800 G2/HA800 G3 Controllers	ssaducli-6.45-8.0.x86_64.rpm	Smart Array S100i SR	6.45.8.0	6.45-8.0
1074	Smart Storage Administrator Diagnostic Utility (SSADU) CLI for Linux 64-bit for HA800/HA800 G2/HA800 G3 Controllers	ssaducli-6.45-8.0.x86_64.rpm	Smart Array S100i SR	6.45.8.0	6.45-8.0
1075	Smart Storage Administrator Diagnostic Utility (SSADU) CLI for Linux 64-bit for HA800/HA800 G2/HA800 G3 Controllers	ssaducli-6.45-8.0.x86_64.rpm	Smart Array S100i SR	6.45.8.0	6.45-8.0
1076	Smart Storage Administrator Diagnostic Utility (SSADU) CLI for Linux 64-bit for HA800/HA800 G2/HA800 G3 Controllers	ssaducli-6.45-8.0.x86_64.rpm	SR932i-p HA800 G3	6.45.8.0	6.45-8.0
1077	Smart Storage Administrator Diagnostic Utility (SSADU) CLI for Windows 64-bit for HA800/HA800 G2/HA800 G3 Controllers	cp062922.exe	Smart Array E208e-p SR HA800 Controller	6.45.8.0	6.45.8.0
1078	Smart Storage Administrator Diagnostic Utility (SSADU) CLI for Windows 64-bit for HA800/HA800 G2/HA800 G3 Controllers	cp062922.exe	Smart Array S100i SR	6.45.8.0	6.45.8.0
1079	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

	for HA800/HA800 G2/HA800 G3 Controllers				
1080	Smart Storage Administrator Diagnostic Utility (SSADU) CLI for Windows 64-bit for HA800/HA800 G2/HA800 G3 Controllers	cp062922.exe	Smart Array S100i SR	6.45.8.0	6.45.8.0
1081	Smart Storage Administrator Diagnostic Utility (SSADU) CLI for Windows 64-bit for HA800/HA800 G2/HA800 G3 Controllers	cp062922.exe	SR932i-p HA800 G3	6.45.8.0	6.45.8.0

Package changes

Online ROM Flash Component for Windows x64 - System ROM U54

Version: 2.48_03-11-2025 (Recommended)

Important Notes:

- This version of the System ROM contains updates aligned with the Intel EGS BKC UPLR3 release.
- This version of the System ROM should be paired with Server Platform Services (SPS) Firmware 06.01.04.075.0.
- This version of the System ROM contains updates aligned with the Intel uPLR2 OOB2 guidance.
- This version of the System ROM contains updates aligned with the Intel uPLR2 guidance.
- This version of the System ROM contains updates aligned with the Intel uPLR1 OOB2 guidance.
- This version of the System ROM contains updates aligned with the Intel uPLR1 guidance.
- This revision of the System ROM includes the mitigation for security vulnerabilities CVE-2023-5678, CVE-2024-0727 and CVE-2023-45229. The security vulnerabilities are documented in the CVE report site. They are not unique to Hitachi servers.
- This version of the System ROM should be paired with Server Platform Services (SPS) Firmware 06.01.04.047.0.

Firmware Dependencies:

- iLO6 v1.62 is NOT compatible with the Windows and Linux Online ROM Flash Components for versions of the System ROM prior to v2.30. The Online ROM Flash Components released with System ROM v2.30 will work with iLO6 v1.62. For any systems utilizing iLO6 v1.62 or later, flashing the System ROM to versions prior to v2.30 requires utilizing Fwpkg or ROM binary instead of using the Windows or Linux Online ROM Flash Components.

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 RSOD when both TXT and TDX are enabled.
- Addressed an issue where the system might fail to update NVMe drive firmware.
- Addressed an issue where the system might not be able to detect disk removal via NVMe-oF during VMware installation.
- Addressed an issue where the system would use UUID for IPV6 DHCP when DUID-LLT is selected.
- Addressed an issue where the system would report Unsupported DIMM Configuration when having 16+0 DIMM mixed rank population.
- Addressed an issue where the system Consistent Device Naming (CDN) is not working in Windows Server.
- Addressed an issue where the system memory address translation did not match with system limitation.
- 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 Max/Min Uncore Frequency value did not be set to default value after loading default settings.
 - Addressed an issue where the system might detect memory uncorrectable error while system has been idle for extended period of time.
 - Addressed an issue where the system might hang at memory initialization after restoring system setting to factory default.
 - Addressed an issue where system RBSU menu might list duplicate or incorrect network interfaces in the selection page.
 - Addressed an issue where some strings of in the System Configuration->RBSU->Network Options->NVMe-oF Configuration->NVMe-oF Attempt are still in English after switching the language to non-English version.
 - Addressed an issue where the system RBSU menu might not display clear drive location information.
 - Addressed an issue where fans might rapidly ramp up and then back down.
 - Addressed an issue where the "Server Boot Order" in iLO web was not aligned with "UEFI Boot Order Control" in RBSU.
 - Addressed an issue where the system might be asserted when plugging in MR416i-p.
 - Addressed an issue where an error message in Linux would indicate TCG log size is not compatible.
 - Addressed an issue where incorrect drive location information would be shown.
 - Addressed an issue where RSOD might occur after enable PCH VMD with 2x M.2 NVMe drives.
 - Addressed an issue where the firmware version and status in device inventory show incorrectly after setting bifurcation for option cards.
 - Addressed an issue where the product name information in Device Inventory of iLO web may show unknown or blank for M.2 drives.
 - Addressed an issue where ilorest BIOS attributes PersistentMemScanMem, PersistentMemAddressRangeScrub and PersistentMemNumaAffinity may present randomly.
 - Fixed an issue where the iLO firmware version may show incorrectly.
 - Fixed an issue where system may not have an evenly distributed NUMA node assignments among PCI slots for virtual NUMA mode.
 - Addressed an issue where System Information Device Inventory in iLO web may show unknown entries after enabling bifurcation.
 - Addressed an issue where System Information Device Inventory in iLO web may miss devices after enabling bifurcation.
 - Addressed an issue where One button secure erase (OBSE) report may show incorrect Drive Port Number and Box Number for MicroChip SR controller.
 - Addressed an issue where system may become stuck after enrolling many certificates and signatures.
 - Addressed an issue where duplicated and incorrect task status were logged iLO Event Log.
 - Addressed an issue where multiple KEK instances appeared after the enrollment of KEK certificate from Redfish API.
 - Addressed an issue where UEFI secure boot dbr signatures were not deleted after deleting all keys via Redfish API.
 - Addressed an issue where Negotiated Link Width in RBSU showed incorrect information after configuring bifurcation.
 - Addressed an issue where system may encounter RSOD after enrollment of an improper certificate.
 - Addressed an issue where the Logical Drive name was cleared in RBSU after leaving the configuration page of MR controllers.
 - Addressed an issue where Redfish BIOS actions, ResetBios and ChangePassword may not work.
 - Addressed a secure boot database synchronizing issue via Redfish API.
 - Addressed an issue that Battery Failure IML message log may be incorrectly logged for Smart Array Controller with Smart Storage Battery.
 - Addressed an issue where NS204i may not be identified as an NVMe device.

- Addressed an issue when setting "Workload Profile" to 'Custom' and changing "Processor Monitor/Mwait Support" to 'Disabled'. "Processor Monitor/Mwait Support" knob is not seen in the BIOS->Service Options.
- Addressed an issue where the driver Health Message was shown twice in POST when drive was removed and ran cold boot.
- Addressed an issue where a NVMe drive would not be unmounted when it exceeds the DPC error threshold with ESXi 8.0U2 or newer versions.
- Addressed an issue where system would not be configured as 4 sub-NUMA nodes per socket (SNC4) when Virtual NUMA is enabled and SNC2 is enabled.
- Addressed an issue where updating NVMe-oF initiator name would not take effect.
- Addressed an issue where Redfish BIOS actions, ResetBIOS and ChangePassword were not working.
- Addressed an issue where system may hang while enrolling secure boot key dbr certificate via Redfish API.
- Addressed an issue where system failed to boot with selected NVMe HDD by setting One-Time Boot Option in ILO Web.
- Addressed an issue where the boot order was cleared unexpectedly after configuring System Configuration (RBSU) options, navigating to Boot Options > UEFI Boot Settings > UEFI Boot Order and then pressing F12 to Save and Exit.
- Removed value "Not Specified" in System Configuration (RBSU) option "Server Security/Trusted Platform Module Options/Current TPM 2.0 Active PCRs" and set the default value as "SHA1 and SHA256".
- Addressed an issue where Redfish resource was not updated after deleting secure boot keys via System Configuration (RBSU).
- Addressed an issue where the system failed to enroll certificate to PK and KEK via Redfish.
- Addressed an issue where the OS could not detect the iSCSI drive through IPv6 installation when iSCSI IpAddressType is set to auto.
- Addressed an issue where the boot order of NVMe drives cannot be changed.
- Addressed an issue where system may encounter a RSOD while updating SAS drive FW.

Enhancements:

- Added pop-up message for all Intelligent Provisioning boot paths to warn users of the risk of data loss.
- Enhanced Chinese and Japanese strings translation support in RBSU pages.
- Added new Microsoft Option ROM UEFI CA 2023 secure boot key.
- Updated the boot device string rules to include the case when VMD is enabled.
- Added the "Smooth Cooling" selection to the Thermal Configuration option in the RBSU->Advanced Options->Fan and Thermal Options. This selection modifies the fan speed response to improve acoustics by reducing the rate of fan speed changes. This can improve acoustics for workloads which significantly vary CPU utilization. Note that this option can result in a small reduction in performance due to the short durations of CPU thermal throttling and some operating systems, such as Linux, may log CPU thermal throttling events. These events do not indicate an issue with the system and can be ignored.
- Added new IML messages to indicate the status of NVMe secure erase and AMT.
- Added the System Configuration (RBSU) option "Power and Performance Options/ Advanced Performance Options/HardwarePM Interrupt" and set to ""Disabled"" by default. This setting has the following Redfish property:
`/redfish/v1/systems/1/bios/settings/HwpmInterrupt`
- Added Zilia DIMM manufacturer ID for SMBIOS information.
- Updated some Japanese translation.
- Added production HCI marker key for OEM activation for Windows Azure.
- Added value "C6 without C1E" in System Configuration (RBSU) option "Power Management/Advanced Power Options menu/Minimum Processor Idle Power Core C-State". When selected, the Minimum Processor Idle Power Core C-State is C6 with C1E disabled. This setting has the following Redfish property:
`/redfish/v1/systems/1/bios/MinProclIdlePower`
- Added the System Configuration (RBSU) option "Power and Performance Options/Advanced Performance Tuning Options/Intel(R) AVX License Pre-Grant Override". When enabled, the pre-grant license level will be set based on

the value of AVX ICCP Pre-Grant Level option. This setting has the following Redfish property:

/redfish/v1/systems/1/bios/settings/AvxLicensePreGrantOverride

- Added the System Configuration (RBSU) option "Power and Performance Options/Advanced Performance Tuning Options/Intel(R) AVX ICCP Pre-Grant Level" to pre-grants an AVX level to the core. This setting has the following Redfish property: /redfish/v1/systems/1/bios/settings/AvxIccpPreGrantLevel
- Added the System Configuration (RBSU) option "PCIe Device Configuration/Advanced PCIe Configuration/PCI-E ASPM Support (Global)" to control ASPM support in all PCIe root port. This setting has the following Redfish property: /redfish/v1/systems/1/bios/settings//redfish/v1/systems/1/bios/settings/PcieGlobalAspm

Online ROM Flash Component for Windows x64 - System ROM U63

Version: 2.48_03-11-2025

Important Notes:

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- Added the "Smooth Cooling" selection to the Thermal Configuration option in the RBSU->Advanced Options->Fan and Thermal Options. This selection modifies the fan speed response to improve acoustics by reducing the rate of fan speed changes. This can improve acoustics for workloads which significantly vary CPU utilization. Note that this option can result in a small reduction in performance due to the short durations of CPU thermal throttling and some operating systems, such as Linux, may log CPU thermal throttling events. These events do not indicate an issue with the system and can be ignored.
- Added new IML messages to indicate the status of NVMe secure erase and AMT.
- Added the System Configuration (RBSU) option "Power and Performance Options/ Advanced Performance Options/HardwarePM Interrupt" and set to ""Disabled"" by default. This setting has the following Redfish property: /redfish/v1/systems/1/bios/settings/HwpmInterrupt
- Added Zilia DIMM manufacturer ID for SMBIOS information.
- Updated some Japanese translation.
- Added production HCI marker key for OEM activation for Windows Azure.
- Added value "C6 without C1E" in System Configuration (RBSU) option "Power Management/Advanced Power Options menu/Minimum Processor Idle Power Core C-State". When selected, the Minimum Processor Idle Power Core C-State is C6 with C1E disabled. This setting has the following Redfish property: /redfish/v1/systems/1/bios/MinProclIdlePower
- Added the System Configuration (RBSU) option "Power and Performance Options/Advanced Performance Tuning Options/Intel(R) AVX License Pre-Grant Override". When enabled, the pre-grant license level will be set based on the value of AVX ICCP Pre-Grant Level option. This setting has the following Redfish property: /redfish/v1/systems/1/bios/settings/AvxLicensePreGrantOverride
- Added the System Configuration (RBSU) option "Power and Performance Options/Advanced Performance Tuning Options/Intel(R) AVX ICCP Pre-Grant Level" to pre-grants an AVX level to the core. This setting has the following

Redfish property: /redfish/v1/systems/1/bios/settings/AvxIccpPreGrantLevel

- Added the System Configuration (RBSU) option "PCIe Device Configuration/Advanced PCIe Configuration/ PCI-E ASPM Support (Global)" to control ASPM support in all PCIe root port. This setting has the following Redfish property: /redfish/v1/systems/1/bios/settings//redfish/v1/systems/1/bios/settings/PcieGlobalAspm

Online ROM Flash Component for Windows x64 - System ROM U65

Version: 2.20_03-21-2025

Important Notes:

- This version of the System ROM contains updates aligned with the Intel Catlow Refresh MR1 BKC.
- This version of the System ROM should be paired with Server Platform Services (SPS) Firmware 06.03.04.058.0.
- This version of the System ROM contains updates aligned with the Intel Catlow Refresh BKC CWL.1.A.4420.00.
- This version always set "RBSU\Power and Performance option\Enhance C state" to "Enabled" to mitigate processor Vmin shift instability issue per Intel's recommendation.
- This version of the System ROM should be paired with Server Platform Services (SPS) Firmware 06.03.04.048.0.
- This version of the System ROM contains updates aligned with the Intel Catlow PLR1 guidance.

Problems Fixed:

- Addressed an issue where the system may encounter RSOD and fail to update firmware while performing firmware update.
- Addressed an issue where the system may encounter RSOD if NVMe-oF target did not have partitions.
- Addressed an issue where the system might RSOD when performing firmware update via Firmware Management Protocol.
- Addressed an issue where the PSU fan keeps running at high speed after system shutdown.
- Addressed an issue where system may fail to update NVMe drive firmware.
- Addressed an issue where NVMe-oF system may not be detected during VMWare installation.
- Addressed an issue where the maximum frequency of the processor shows incorrectly after enable or disable Intel Turbo Boost.
- Addressed an issue where the system would use UUID for IPV6 DHCP when "RBSU\Network Options\Network Boot Options\IPV6 DHCP Unique Identifier\DUID-LLT" is selected.
- Addressed an issue where the Consistent Device Naming (CDN) may not work.
- Addressed an issue where the RBSU value is not aligned with the actual C1E setting.
- 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 some strings of "NVMe-oF Configuration and Attempt pages" in system RBSU menu are still in English after switching the language to non-English version.
- Addressed an issue where system RBSU menu might list duplicate or incorrect network interfaces in the selection page.
- Addressed an issue where the system RBSU menu might not display clear drive location information.
- Addressed an issue where the "Server Boot Order" in iLO web is not aligned with "UEFI Boot Order Control" in RBSU.
- Addressed an issue where an error message in Linux would indicate TCG log size is not compatible.
- Addressed an issue where the "Pending Change light" may be on even if there is no option has been modified in RBSU.
- Addressed an issue where One button secure erase (OBSE) report may show incorrect Drive Port Number and Box Number for MicroChip SR controllers.
- Addressed an issue where system may stuck after enrolling many certificates and signatures.
- Addressed an issue where Driver Health Message may show twice in POST when drive is removed and cold boot.

- Addressed an issue where NS204i may not be identified as NVMe device.
- Addressed an issue where the virtual serial port may still have message output when the serial port is set to 'Disabled' or 'Physical Port'.

Enhancements:

- Added pop-up message for all Intelligent Provisioning boot paths to warn users of the risk of data loss.
 - Added new Microsoft Option Rom UEFI CA 2023 secure boot key.
 - Added "Smooth Cooling option" in the RBSU->Advanced Options->Fan and Thermal Options.
 - Added Redfish API for Boot Progress.
 - Updated Chinese and Japanese translation.
- Added the System Configuration (RBSU) option "Network Options/NVMe-oF Configuration".

ROM Flash Firmware Package - System ROM U54

Version: 2.48_03-11-2025 (Recommended)

Important Notes:

- This version of the System ROM contains updates aligned with the Intel EGS BKC UPLR3 release.
- This version of the System ROM should be paired with Server Platform Services (SPS) Firmware 06.01.04.075.0.
- This version of the System ROM contains updates aligned with the Intel uPLR2 OOB2 guidance.
- This version of the System ROM contains updates aligned with the Intel uPLR2 guidance.
- This version of the System ROM contains updates aligned with the Intel uPLR1 OOB2 guidance.
- This version of the System ROM contains updates aligned with the Intel uPLR1 guidance.
- This revision of the System ROM includes the mitigation for security vulnerabilities CVE-2023-5678, CVE-2024-0727 and CVE-2023-45229. The security vulnerabilities are documented in the CVE report site. They are not unique to Hitachi servers.
- This version of the System ROM should be paired with Server Platform Services (SPS) Firmware 06.01.04.047.0.

Firmware Dependencies:

- iLO6 v1.62 is NOT compatible with the Windows and Linux Online ROM Flash Components for versions of the System ROM prior to v2.30. The Online ROM Flash Components released with System ROM v2.30 will work with iLO6 v1.62. For any systems utilizing iLO6 v1.62 or later, flashing the System ROM to versions prior to v2.30 requires utilizing Fwpkg or ROM binary instead of using the Windows or Linux Online ROM Flash Components.

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 RSOD when both TXT and TDX are enabled.
- Addressed an issue where the system might fail to update NVMe drive firmware.
- Addressed an issue where the system might not be able to detect disk removal via NVMe-oF during VMware installation.
- Addressed an issue where the system would use UUID for IPV6 DHCP when DUID-LLT is selected.
- Addressed an issue where the system would report Unsupported DIMM Configuration when having 16+0 DIMM mixed rank population.
- Addressed an issue where the system Consistent Device Naming (CDN) is not working in Windows Server.
- Addressed an issue where the system memory address translation did not match with system limitation.
- 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 Max/Min Uncore Frequency value did not be set to default value after

loading default settings.

- Addressed an issue where the system might detect memory uncorrectable error while system has been idle for extended period of time.
- Addressed an issue where the system might hang at memory initialization after restoring system setting to factory default.
- Addressed an issue where system RBSU menu might list duplicate or incorrect network interfaces in the selection page.
- Addressed an issue where some strings of in the System Configuration->RBSU->Network Options->NVMe-oF Configuration->NVMe-oF Attempt are still in English after switching the language to non-English version.
- Addressed an issue where the system RBSU menu might not display clear drive location information.
- Addressed an issue where fans might rapidly ramp up and then back down.
- Addressed an issue where the "Server Boot Order" in iLO web was not aligned with "UEFI Boot Order Control" in RBSU.
- Addressed an issue where the system might be asserted when plugging in MR416i-p.
- Addressed an issue where an error message in Linux would indicate TCG log size is not compatible.
- Addressed an issue where incorrect drive location information would be shown.
- Addressed an issue where RSOD might occur after enable PCH VMD with 2x M.2 NVMe drives.
- Addressed an issue where the firmware version and status in device inventory show incorrectly after setting bifurcation for option cards.
- Addressed an issue where the product name information in Device Inventory of iLO web may show unknown or blank for M.2 drives.
- Addressed an issue where ilorest BIOS attributes PersistentMemScanMem, PersistentMemAddressRangeScrub and PersistentMemNumaAffinity may present randomly.
- Fixed an issue where the iLO firmware version may show incorrectly.
- Fixed an issue where system may not have an evenly distributed NUMA node assignments among PCI slots for virtual NUMA mode.
- Addressed an issue where System Information Device Inventory in iLO web may show unknown entries after enabling bifurcation.
- Addressed an issue where System Information Device Inventory in iLO web may miss devices after enabling bifurcation.
- Addressed an issue where One button secure erase (OBSE) report may show incorrect Drive Port Number and Box Number for MicroChip SR controller.
- Addressed an issue where system may become stuck after enrolling many certificates and signatures.
- Addressed an issue where duplicated and incorrect task status were logged iLO Event Log.
- Addressed an issue where multiple KEK instances appeared after the enrollment of KEK certificate from Redfish API.
- Addressed an issue where UEFI secure boot dbr signatures were not deleted after deleting all keys via Redfish API.
- Addressed an issue where Negotiated Link Width in RBSU showed incorrect information after configuring bifurcation.
- Addressed an issue where system may encounter RSOD after enrollment of an improper certificate.
- Addressed an issue where the Logical Drive name was cleared in RBSU after leaving the configuration page of MR controllers.
- Addressed an issue where Redfish BIOS actions, ResetBios and ChangePassword may not work.
- Addressed a secure boot database synchronizing issue via Redfish API.
- Addressed an issue that Battery Failure IML message log may be incorrectly logged for Smart Array Controller with Smart Storage Battery.
- Addressed an issue where NS204i may not be identified as an NVMe device.
- Addressed an issue when setting "Workload Profile" to 'Custom' and changing "Processor Monitor/Mwait Support" to 'Disabled'. "Processor Monitor/Mwait Support" knob is not seen in the BIOS->Service Options.

- Addressed an issue where the driver Health Message was shown twice in POST when drive was removed and ran cold boot.
- Addressed an issue where a NVMe drive would not be unmounted when it exceeds the DPC error threshold with ESXi 8.0U2 or newer versions.
- Addressed an issue where system would not be configured as 4 sub-NUMA nodes per socket (SNC4) when Virtual NUMA is enabled and SNC2 is enabled.
- Addressed an issue where updating NVMe-oF initiator name would not take effect.
- Addressed an issue where Redfish BIOS actions, ResetBIOS and ChangePassword were not working.
- Addressed an issue where system may hang while enrolling secure boot key dbr certificate via Redfish API.
- Addressed an issue where system failed to boot with selected NVMe HDD by setting One-Time Boot Option in ILO Web.
- Addressed an issue where the boot order was cleared unexpectedly after configuring System Configuration (RBSU) options, navigating to Boot Options > UEFI Boot Settings > UEFI Boot Order and then pressing F12 to Save and Exit.
- Removed value "Not Specified" in System Configuration (RBSU) option "Server Security/Trusted Platform Module Options/Current TPM 2.0 Active PCRs" and set the default value as "SHA1 and SHA256".
- Addressed an issue where Redfish resource was not updated after deleting secure boot keys via System Configuration (RBSU).
- Addressed an issue where the system failed to enroll certificate to PK and KEK via Redfish.
- Addressed an issue where the OS could not detect the iSCSI drive through IPv6 installation when iSCSI IpAddressType is set to auto.
- Addressed an issue where the boot order of NVMe drives cannot be changed.
- Addressed an issue where system may encounter a RSOD while updating SAS drive FW.

Enhancements:

- Added pop-up message for all Intelligent Provisioning boot paths to warn users of the risk of data loss.
- Enhanced Chinese and Japanese strings translation support in RBSU pages.
- Added new Microsoft Option ROM UEFI CA 2023 secure boot key.
- Updated the boot device string rules to include the case when VMD is enabled.
- Added the "Smooth Cooling" selection to the Thermal Configuration option in the RBSU->Advanced Options->Fan and Thermal Options. This selection modifies the fan speed response to improve acoustics by reducing the rate of fan speed changes. This can improve acoustics for workloads which significantly vary CPU utilization. Note that this option can result in a small reduction in performance due to the short durations of CPU thermal throttling and some operating systems, such as Linux, may log CPU thermal throttling events. These events do not indicate an issue with the system and can be ignored.
- Added new IML messages to indicate the status of NVMe secure erase and AMT.
- Added the System Configuration (RBSU) option "Power and Performance Options/ Advanced Performance Options/HardwarePM Interrupt" and set to ""Disabled"" by default. This setting has the following Redfish property:
/redfish/v1/systems/1/bios/settings/HwpmInterrupt
- Added Zilia DIMM manufacturer ID for SMBIOS information.
- Updated some Japanese translation.
- Added production HCI marker key for OEM activation for Windows Azure.
- Added value "C6 without C1E" in System Configuration (RBSU) option "Power Management/Advanced Power Options menu/Minimum Processor Idle Power Core C-State". When selected, the Minimum Processor Idle Power Core C-State is C6 with C1E disabled. This setting has the following Redfish property:
/redfish/v1/systems/1/bios/MinProcidlePower
- Added the System Configuration (RBSU) option "Power and Performance Options/Advanced Performance Tuning Options/Intel(R) AVX License Pre-Grant Override". When enabled, the pre-grant license level will be set based on the value of AVX ICCP Pre-Grant Level option. This setting has the following Redfish property:
/redfish/v1/systems/1/bios/settings/AvxLicensePreGrantOverride

- Added the System Configuration (RBSU) option "Power and Performance Options/Advanced Performance Tuning Options/Intel(R) AVX ICCP Pre-Grant Level" to pre-grants an AVX level to the core. This setting has the following Redfish property: /redfish/v1/systems/1/bios/settings/AvxlccpPreGrantLevel
- Added the System Configuration (RBSU) option "PCIe Device Configuration/Advanced PCIe Configuration/ PCI-E ASPM Support (Global)" to control ASPM support in all PCIe root port. This setting has the following Redfish property: /redfish/v1/systems/1/bios/settings//redfish/v1/systems/1/bios/settings/PcieGlobalAspm

ROM Flash Firmware Package - System ROM U63

Version: 2.48_03-11-2025 (Recommended)

Important Notes:

- This version of the System ROM contains updates aligned with the Intel EGS BKC UPLR3 release.
- This version of the System ROM should be paired with Server Platform Services (SPS) Firmware 06.01.04.075.0.
- This version of the System ROM contains updates aligned with the Intel uPLR2 OOB2 guidance.
- This version of the System ROM contains updates aligned with the Intel uPLR2 guidance.
- This version of the System ROM contains updates aligned with the Intel uPLR1 OOB2 guidance.
- This version of the System ROM contains updates aligned with the Intel uPLR1 guidance.
- This revision of the System ROM includes the mitigation for security vulnerabilities CVE-2023-5678, CVE-2024-0727 and CVE-2023-45229. The security vulnerabilities are documented in the CVE report site. They are not unique to Hitachi servers.
- This version of the System ROM should be paired with Server Platform Services (SPS) Firmware 06.01.04.047.0.

Firmware Dependencies:

- iLO6 v1.62 is NOT compatible with the Windows and Linux Online ROM Flash Components for versions of the System ROM prior to v2.30. The Online ROM Flash Components released with System ROM v2.30 will work with iLO6 v1.62. For any systems utilizing iLO6 v1.62 or later, flashing the System ROM to versions prior to v2.30 requires utilizing Fwpkg or ROM binary instead of using the Windows or Linux Online ROM Flash Components.

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 RSOD when both TXT and TDX are enabled.
- Addressed an issue where the system might fail to update NVMe drive firmware.
- Addressed an issue where the system might not be able to detect disk removal via NVMe-oF during VMware installation.
- Addressed an issue where the system would use UUID for IPV6 DHCP when DUID-LLT is selected.
- Addressed an issue where the system would report Unsupported DIMM Configuration when having 16+0 DIMM mixed rank population.
- Addressed an issue where the system Consistent Device Naming (CDN) is not working in Windows Server.
- Addressed an issue where the system memory address translation did not match with system limitation.
- 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 Max/Min Uncore Frequency value did not be set to default value after loading default settings.
- Addressed an issue where the system might detect memory uncorrectable error while system has been idle for extended period of time.

- Addressed an issue where the system might hang at memory initialization after restoring system setting to factory default.
- Addressed an issue where system RBSU menu might list duplicate or incorrect network interfaces in the selection page.
- Addressed an issue where some strings of in the System Configuration->RBSU->Network Options->NVMe-oF Configuration->NVMe-oF Attempt are still in English after switching the language to non-English version.
- Addressed an issue where the system RBSU menu might not display clear drive location information.
- Addressed an issue where fans might rapidly ramp up and then back down.
- Addressed an issue where the "Server Boot Order" in iLO web was not aligned with "UEFI Boot Order Control" in RBSU.
- Addressed an issue where the system might be asserted when plugging in MR416i-p.
- Addressed an issue where an error message in Linux would indicate TCG log size is not compatible.
- Addressed an issue where incorrect drive location information would be shown.
- Addressed an issue where RSOD might occur after enable PCH VMD with 2x M.2 NVMe drives.
- Addressed an issue where the firmware version and status in device inventory show incorrectly after setting bifurcation for option cards.
- Addressed an issue where the product name information in Device Inventory of iLO web may show unknown or blank for M.2 drives.
- Addressed an issue where ilorest BIOS attributes PersistentMemScanMem, PersistentMemAddressRangeScrub and PersistentMemNumaAffinity may present randomly.
- Fixed an issue where the iLO firmware version may show incorrectly.
- Fixed an issue where system may not have an evenly distributed NUMA node assignments among PCI slots for virtual NUMA mode.
- Addressed an issue where System Information Device Inventory in iLO web may show unknown entries after enabling bifurcation.
- Addressed an issue where System Information Device Inventory in iLO web may miss devices after enabling bifurcation.
- Addressed an issue where One button secure erase (OBSE) report may show incorrect Drive Port Number and Box Number for MicroChip SR controller.
- Addressed an issue where system may become stuck after enrolling many certificates and signatures.
- Addressed an issue where duplicated and incorrect task status were logged iLO Event Log.
- Addressed an issue where multiple KEK instances appeared after the enrollment of KEK certificate from Redfish API.
- Addressed an issue where UEFI secure boot dbr signatures were not deleted after deleting all keys via Redfish API.
- Addressed an issue where Negotiated Link Width in RBSU showed incorrect information after configuring bifurcation.
- Addressed an issue where system may encounter RSOD after enrollment of an improper certificate.
- Addressed an issue where the Logical Drive name was cleared in RBSU after leaving the configuration page of MR controllers.
- Addressed an issue where Redfish BIOS actions, ResetBios and ChangePassword may not work.
- Addressed a secure boot database synchronizing issue via Redfish API.
- Addressed an issue that Battery Failure IML message log may be incorrectly logged for Smart Array Controller with Smart Storage Battery.
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- Addressed an issue when setting "Workload Profile" to 'Custom' and changing "Processor Monitor/Mwait Support" to 'Disabled'. "Processor Monitor/Mwait Support" knob is not seen in the BIOS->Service Options.
- Addressed an issue where the driver Health Message was shown twice in POST when drive was removed and ran cold boot.
- Addressed an issue where a NVMe drive would not be unmounted when it exceeds the DPC error threshold with

ESXi 8.0U2 or newer versions.

- Addressed an issue where system would not be configured as 4 sub-NUMA nodes per socket (SNC4) when Virtual NUMA is enabled and SNC2 is enabled.
- Addressed an issue where updating NVMe-oF initiator name would not take effect.
- Addressed an issue where Redfish BIOS actions, ResetBIOS and ChangePassword were not working.
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- Addressed an issue where system failed to boot with selected NVMe HDD by setting One-Time Boot Option in ILO Web.
- Addressed an issue where the boot order was cleared unexpectedly after configuring System Configuration (RBSU) options, navigating to Boot Options > UEFI Boot Settings > UEFI Boot Order and then pressing F12 to Save and Exit.
- Removed value "Not Specified" in System Configuration (RBSU) option "Server Security/Trusted Platform Module Options/Current TPM 2.0 Active PCRs" and set the default value as "SHA1 and SHA256".
- Addressed an issue where Redfish resource was not updated after deleting secure boot keys via System Configuration (RBSU).
- Addressed an issue where the system failed to enroll certificate to PK and KEK via Redfish.
- Addressed an issue where the OS could not detect the iSCSI drive through IPv6 installation when iSCSI IpAddressType is set to auto.
- Addressed an issue where the boot order of NVMe drives cannot be changed.
- Addressed an issue where system may encounter a RSOD while updating SAS drive FW.

Enhancements:

- Added pop-up message for all Intelligent Provisioning boot paths to warn users of the risk of data loss.
- Enhanced Chinese and Japanese strings translation support in RBSU pages.
- Added new Microsoft Option ROM UEFI CA 2023 secure boot key.
- Updated the boot device string rules to include the case when VMD is enabled.
- Added the "Smooth Cooling" selection to the Thermal Configuration option in the RBSU->Advanced Options->Fan and Thermal Options. This selection modifies the fan speed response to improve acoustics by reducing the rate of fan speed changes. This can improve acoustics for workloads which significantly vary CPU utilization. Note that this option can result in a small reduction in performance due to the short durations of CPU thermal throttling and some operating systems, such as Linux, may log CPU thermal throttling events. These events do not indicate an issue with the system and can be ignored.
- Added new IML messages to indicate the status of NVMe secure erase and AMT.
- Added the System Configuration (RBSU) option "Power and Performance Options/ Advanced Performance Options/HardwarePM Interrupt" and set to ""Disabled"" by default. This setting has the following Redfish property: /redfish/v1/systems/1/bios/settings/HwpmInterrupt
- Added Zilia DIMM manufacturer ID for SMBIOS information.
- Updated some Japanese translation.
- Added production HCI marker key for OEM activation for Windows Azure.
- Added value "C6 without C1E" in System Configuration (RBSU) option "Power Management/Advanced Power Options menu/Minimum Processor Idle Power Core C-State". When selected, the Minimum Processor Idle Power Core C-State is C6 with C1E disabled. This setting has the following Redfish property: /redfish/v1/systems/1/bios/MinProcidlePower
- Added the System Configuration (RBSU) option "Power and Performance Options/Advanced Performance Tuning Options/Intel(R) AVX License Pre-Grant Override". When enabled, the pre-grant license level will be set based on the value of AVX ICCP Pre-Grant Level option. This setting has the following Redfish property: /redfish/v1/systems/1/bios/settings/AvxLicensePreGrantOverride
- Added the System Configuration (RBSU) option "Power and Performance Options/Advanced Performance Tuning Options/Intel(R) AVX ICCP Pre-Grant Level" to pre-grants an AVX level to the core. This setting has the following Redfish property: /redfish/v1/systems/1/bios/settings/AvxlccpPreGrantLevel

- Added the System Configuration (RBSU) option "PCIe Device Configuration/Advanced PCIe Configuration/ PCI-E ASPM Support (Global)" to control ASPM support in all PCIe root port. This setting has the following Redfish property: `/redfish/v1/systems/1/bios/settings//redfish/v1/systems/1/bios/settings/PcieGlobalAspm`

Online ROM Flash Component for Windows x64 - System ROM U59

Version: 2.48_03-11-2025 (Recommended)

Important Notes:

- This version of the System ROM contains updates aligned with the Intel EGS BKC UPLR3 release.
- This version of the System ROM should be paired with Server Platform Services (SPS) Firmware 06.01.04.075.0.
- This version of the System ROM contains updates aligned with the Intel uPLR2 OOB2 guidance.
- This version of the System ROM contains updates aligned with the Intel uPLR2 guidance.
- This version of the System ROM contains updates aligned with the Intel uPLR1 OOB2 guidance.
- This version of the System ROM contains updates aligned with the Intel uPLR1 guidance.
- This revision of the System ROM includes the mitigation for security vulnerabilities CVE-2023-5678, CVE-2024-0727 and CVE-2023-45229. The security vulnerabilities are documented in the CVE report site. They are not unique to Hitachi servers.
- This version of the System ROM should be paired with Server Platform Services (SPS) Firmware 06.01.04.047.0.

Firmware Dependencies:

- iLO6 v1.62 is NOT compatible with the Windows and Linux Online ROM Flash Components for versions of the System ROM prior to v2.30. The Online ROM Flash Components released with System ROM v2.30 will work with iLO6 v1.62. For any systems utilizing iLO6 v1.62 or later, flashing the System ROM to versions prior to v2.30 requires utilizing Fwpkg or ROM binary instead of using the Windows or Linux Online ROM Flash Components.

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 RSOD when both TXT and TDX are enabled.
- Addressed an issue where the system might fail to update NVMe drive firmware.
- Addressed an issue where the system might not be able to detect disk removal via NVMe-oF during VMware installation.
- Addressed an issue where the system would use UUID for IPV6 DHCP when DUID-LLT is selected.
- Addressed an issue where the system would report Unsupported DIMM Configuration when having 16+0 DIMM mixed rank population.
- Addressed an issue where the system Consistent Device Naming (CDN) is not working in Windows Server.
- Addressed an issue where the system memory address translation did not match with system limitation.
- 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 Max/Min Uncore Frequency value did not be set to default value after loading default settings.
- Addressed an issue where the system might detect memory uncorrectable error while system has been idle for extended period of time.
- Addressed an issue where the system might hang at memory initialization after restoring system setting to factory default.
- Addressed an issue where system RBSU menu might list duplicate or incorrect network interfaces in the selection

page.

- Addressed an issue where some strings of in the System Configuration->RBSU->Network Options->NVMe-oF Configuration->NVMe-oF Attempt are still in English after switching the language to non-English version.
- Addressed an issue where the system RBSU menu might not display clear drive location information.
- Addressed an issue where fans might rapidly ramp up and then back down.
- Addressed an issue where the "Server Boot Order" in iLO web was not aligned with "UEFI Boot Order Control" in RBSU.
- Addressed an issue where the system might be asserted when plugging in MR416i-p.
- Addressed an issue where an error message in Linux would indicate TCG log size is not compatible.
- Addressed an issue where incorrect drive location information would be shown.
- Addressed an issue where RSOD might occur after enable PCH VMD with 2x M.2 NVMe drives.
- Addressed an issue where the firmware version and status in device inventory show incorrectly after setting bifurcation for option cards.
- Addressed an issue where the product name information in Device Inventory of iLO web may show unknown or blank for M.2 drives.
- Addressed an issue where ilorest BIOS attributes PersistentMemScanMem, PersistentMemAddressRangeScrub and PersistentMemNumaAffinity may present randomly.
- Fixed an issue where the iLO firmware version may show incorrectly.
- Fixed an issue where system may not have an evenly distributed NUMA node assignments among PCI slots for virtual NUMA mode.
- Addressed an issue where System Information Device Inventory in iLO web may show unknown entries after enabling bifurcation.
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- Addressed an issue where One button secure erase (OBSE) report may show incorrect Drive Port Number and Box Number for MicroChip SR controller.
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- Addressed an issue where multiple KEK instances appeared after the enrollment of KEK certificate from Redfish API.
- Addressed an issue where UEFI secure boot dbr signatures were not deleted after deleting all keys via Redfish API.
- Addressed an issue where Negotiated Link Width in RBSU showed incorrect information after configuring bifurcation.
- Addressed an issue where system may encounter RSOD after enrollment of an improper certificate.
- Addressed an issue where the Logical Drive name was cleared in RBSU after leaving the configuration page of MR controllers.
- Addressed an issue where Redfish BIOS actions, ResetBios and ChangePassword may not work.
- Addressed a secure boot database synchronizing issue via Redfish API.
- Addressed an issue that Battery Failure IML message log may be incorrectly logged for Smart Array Controller with Smart Storage Battery.
- Addressed an issue where NS204i may not be identified as an NVMe device.
- Addressed an issue when setting "Workload Profile" to 'Custom' and changing "Processor Monitor/Mwait Support" to 'Disabled'. "Processor Monitor/Mwait Support" knob is not seen in the BIOS->Service Options.
- Addressed an issue where the driver Health Message was shown twice in POST when drive was removed and ran cold boot.
- Addressed an issue where a NVMe drive would not be unmounted when it exceeds the DPC error threshold with ESXi 8.0U2 or newer versions.
- Addressed an issue where system would not be configured as 4 sub-NUMA nodes per socket (SNC4) when Virtual NUMA is enabled and SNC2 is enabled.

- Addressed an issue where updating NVMe-oF initiator name would not take effect.
- Addressed an issue where Redfish BIOS actions, ResetBIOS and ChangePassword were not working.
- Addressed an issue where system may hang while enrolling secure boot key dbr certificate via Redfish API.
- Addressed an issue where system failed to boot with selected NVMe HDD by setting One-Time Boot Option in ILO Web.
- Addressed an issue where the boot order was cleared unexpectedly after configuring System Configuration (RBSU) options, navigating to Boot Options > UEFI Boot Settings > UEFI Boot Order and then pressing F12 to Save and Exit.
- Removed value "Not Specified" in System Configuration (RBSU) option "Server Security/Trusted Platform Module Options/Current TPM 2.0 Active PCRs" and set the default value as "SHA1 and SHA256".
- Addressed an issue where Redfish resource was not updated after deleting secure boot keys via System Configuration (RBSU).
- Addressed an issue where the system failed to enroll certificate to PK and KEK via Redfish.
- Addressed an issue where the OS could not detect the iSCSI drive through IPv6 installation when iSCSI IpAddressType is set to auto.
- Addressed an issue where the boot order of NVMe drives cannot be changed.
- Addressed an issue where system may encounter a RSOD while updating SAS drive FW.

Enhancements:

- Added pop-up message for all Intelligent Provisioning boot paths to warn users of the risk of data loss.
- Enhanced Chinese and Japanese strings translation support in RBSU pages.
- Added new Microsoft Option ROM UEFI CA 2023 secure boot key.
- Updated the boot device string rules to include the case when VMD is enabled.
- Added the "Smooth Cooling" selection to the Thermal Configuration option in the RBSU->Advanced Options->Fan and Thermal Options. This selection modifies the fan speed response to improve acoustics by reducing the rate of fan speed changes. This can improve acoustics for workloads which significantly vary CPU utilization. Note that this option can result in a small reduction in performance due to the short durations of CPU thermal throttling and some operating systems, such as Linux, may log CPU thermal throttling events. These events do not indicate an issue with the system and can be ignored.
- Added new IML messages to indicate the status of NVMe secure erase and AMT.
- Added the System Configuration (RBSU) option "Power and Performance Options/ Advanced Performance Options/HardwarePM Interrupt" and set to ""Disabled"" by default. This setting has the following Redfish property: `/redfish/v1/systems/1/bios/settings/HwpmInterrupt`
- Added Zilia DIMM manufacturer ID for SMBIOS information.
- Updated some Japanese translation.
- Added production HCI marker key for OEM activation for Windows Azure.
- Added value "C6 without C1E" in System Configuration (RBSU) option "Power Management/Advanced Power Options menu/Minimum Processor Idle Power Core C-State". When selected, the Minimum Processor Idle Power Core C-State is C6 with C1E disabled. This setting has the following Redfish property: `/redfish/v1/systems/1/bios/MinProcidlePower`
- Added the System Configuration (RBSU) option "Power and Performance Options/Advanced Performance Tuning Options/Intel(R) AVX License Pre-Grant Override". When enabled, the pre-grant license level will be set based on the value of AVX ICCP Pre-Grant Level option. This setting has the following Redfish property: `/redfish/v1/systems/1/bios/settings/AvxLicensePreGrantOverride`
- Added the System Configuration (RBSU) option "Power and Performance Options/Advanced Performance Tuning Options/Intel(R) AVX ICCP Pre-Grant Level" to pre-grants an AVX level to the core. This setting has the following Redfish property: `/redfish/v1/systems/1/bios/settings/AvxlccpPreGrantLevel`
- Added the System Configuration (RBSU) option "PCIe Device Configuration/Advanced PCIe Configuration/ PCI-E ASPM Support (Global)" to control ASPM support in all PCIe root port. This setting has the following Redfish property: `/redfish/v1/systems/1/bios/settings//redfish/v1/systems/1/bios/settings/PcieGlobalAspm`

ROM Flash Firmware Package - System ROM U59

Version: 2.48_03-11-2025 (Recommended)

Important Notes:

- This version of the System ROM contains updates aligned with the Intel EGS BKC UPLR3 release.
- This version of the System ROM should be paired with Server Platform Services (SPS) Firmware 06.01.04.075.0.
- This version of the System ROM contains updates aligned with the Intel uPLR2 OOB2 guidance.
- This version of the System ROM contains updates aligned with the Intel uPLR2 guidance.
- This version of the System ROM contains updates aligned with the Intel uPLR1 OOB2 guidance.
- This version of the System ROM contains updates aligned with the Intel uPLR1 guidance.
- This revision of the System ROM includes the mitigation for security vulnerabilities CVE-2023-5678, CVE-2024-0727 and CVE-2023-45229. The security vulnerabilities are documented in the CVE report site. They are not unique to Hitachi servers.
- This version of the System ROM should be paired with Server Platform Services (SPS) Firmware 06.01.04.047.0.

Firmware Dependencies:

- iLO6 v1.62 is NOT compatible with the Windows and Linux Online ROM Flash Components for versions of the System ROM prior to v2.30. The Online ROM Flash Components released with System ROM v2.30 will work with iLO6 v1.62. For any systems utilizing iLO6 v1.62 or later, flashing the System ROM to versions prior to v2.30 requires utilizing Fwpkg or ROM binary instead of using the Windows or Linux Online ROM Flash Components.

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 RSOD when both TXT and TDX are enabled.
- Addressed an issue where the system might fail to update NVMe drive firmware.
- Addressed an issue where the system might not be able to detect disk removal via NVMe-oF during VMware installation.
- Addressed an issue where the system would use UUID for IPV6 DHCP when DUID-LLT is selected.
- Addressed an issue where the system would report Unsupported DIMM Configuration when having 16+0 DIMM mixed rank population.
- Addressed an issue where the system Consistent Device Naming (CDN) is not working in Windows Server.
- Addressed an issue where the system memory address translation did not match with system limitation.
- 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 Max/Min Uncore Frequency value did not be set to default value after loading default settings.
- Addressed an issue where the system might detect memory uncorrectable error while system has been idle for extended period of time.
- Addressed an issue where the system might hang at memory initialization after restoring system setting to factory default.
- Addressed an issue where system RBSU menu might list duplicate or incorrect network interfaces in the selection page.
- Addressed an issue where some strings of in the System Configuration->RBSU->Network Options->NVMe-oF Configuration->NVMe-oF Attempt are still in English after switching the language to non-English version.

- Addressed an issue where the system RBSU menu might not display clear drive location information.
- Addressed an issue where fans might rapidly ramp up and then back down.
- Addressed an issue where the "Server Boot Order" in iLO web was not aligned with "UEFI Boot Order Control" in RBSU.
- Addressed an issue where the system might be asserted when plugging in MR416i-p.
- Addressed an issue where an error message in Linux would indicate TCG log size is not compatible.
- Addressed an issue where incorrect drive location information would be shown.
- Addressed an issue where RSOD might occur after enable PCH VMD with 2x M.2 NVMe drives.
- Addressed an issue where the firmware version and status in device inventory show incorrectly after setting bifurcation for option cards.
- Addressed an issue where the product name information in Device Inventory of iLO web may show unknown or blank for M.2 drives.
- Addressed an issue where ilorest BIOS attributes PersistentMemScanMem, PersistentMemAddressRangeScrub and PersistentMemNumaAffinity may present randomly.
- Fixed an issue where the iLO firmware version may show incorrectly.
- Fixed an issue where system may not have an evenly distributed NUMA node assignments among PCI slots for virtual NUMA mode.
- Addressed an issue where System Information Device Inventory in iLO web may show unknown entries after enabling bifurcation.
- Addressed an issue where System Information Device Inventory in iLO web may miss devices after enabling bifurcation.
- Addressed an issue where One button secure erase (OBSE) report may show incorrect Drive Port Number and Box Number for MicroChip SR controller.
- Addressed an issue where system may become stuck after enrolling many certificates and signatures.
- Addressed an issue where duplicated and incorrect task status were logged iLO Event Log.
- Addressed an issue where multiple KEK instances appeared after the enrollment of KEK certificate from Redfish API.
- Addressed an issue where UEFI secure boot dbr signatures were not deleted after deleting all keys via Redfish API.
- Addressed an issue where Negotiated Link Width in RBSU showed incorrect information after configuring bifurcation.
- Addressed an issue where system may encounter RSOD after enrollment of an improper certificate.
- Addressed an issue where the Logical Drive name was cleared in RBSU after leaving the configuration page of MR controllers.
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- Addressed an issue where the boot order was cleared unexpectedly after configuring System Configuration (RBSU) options, navigating to Boot Options > UEFI Boot Settings > UEFI Boot Order and then pressing F12 to Save and Exit.
- Removed value "Not Specified" in System Configuration (RBSU) option "Server Security/Trusted Platform Module Options/Current TPM 2.0 Active PCRs" and set the default value as "SHA1 and SHA256".
- Addressed an issue where Redfish resource was not updated after deleting secure boot keys via System Configuration (RBSU).
- Addressed an issue where the system failed to enroll certificate to PK and KEK via Redfish.
- Addressed an issue where the OS could not detect the iSCSI drive through IPv6 installation when iSCSI IpAddressType is set to auto.
- Addressed an issue where the boot order of NVMe drives cannot be changed.
- Addressed an issue where system may encounter a RSOD while updating SAS drive FW.

Enhancements:

- Added pop-up message for all Intelligent Provisioning boot paths to warn users of the risk of data loss.
- Enhanced Chinese and Japanese strings translation support in RBSU pages.
- Added new Microsoft Option ROM UEFI CA 2023 secure boot key.
- Updated the boot device string rules to include the case when VMD is enabled.
- Added the "Smooth Cooling" selection to the Thermal Configuration option in the RBSU->Advanced Options->Fan and Thermal Options. This selection modifies the fan speed response to improve acoustics by reducing the rate of fan speed changes. This can improve acoustics for workloads which significantly vary CPU utilization. Note that this option can result in a small reduction in performance due to the short durations of CPU thermal throttling and some operating systems, such as Linux, may log CPU thermal throttling events. These events do not indicate an issue with the system and can be ignored.
- Added new IML messages to indicate the status of NVMe secure erase and AMT.
- Added the System Configuration (RBSU) option "Power and Performance Options/ Advanced Performance Options/HardwarePM Interrupt" and set to ""Disabled"" by default. This setting has the following Redfish property: `/redfish/v1/systems/1/bios/settings/HwpmInterrupt`
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- Added the System Configuration (RBSU) option "PCIe Device Configuration/Advanced PCIe Configuration/ PCI-E ASPM Support (Global)" to control ASPM support in all PCIe root port. This setting has the following Redfish property: `/redfish/v1/systems/1/bios/settings//redfish/v1/systems/1/bios/settings/PcieGlobalAspm`

Online ROM Flash Component for Windows x64 - iLO 6

Version: 1.67

Problems Fixed:

- Fixed an issue where there was no VSP output on HA800 G3 iLO6 due to stack overflow on VSP log buffer handling.
- Fixed an issue where the fan speed was not set as per the thermal configuration due to server device discovery not reaching vMainDeviceDiscoveryComplete.
- Fixed an issue that did not allow to enable mTLS for subscription and returned error in loading client private key.
- Fixed an issue where param2 check-in challenge_auth response for NVIDIA adapter failed during SPDM authentication.
- 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 where the MCTP retry mechanism in i2c communication failed.
- Fixed an issue where a low value of the iLO reset progress bar time caused mismatch in the configuration during the iLO reset time.
- Fixed an issue where the IPMI fan's pwm values were set to a default of 255 to calculate dutycycle percentage.
- Fixed an issue with 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 a BundleUpdate issue for Smart components of size greater than 32MB size.
- Fixed an issue where iLO RIBCL queries generated incorrect CAPACITY VALUE responses.
- Fixed an issue where fetching the email details of LDAP user where DistinguishedName containing special characters were causing the two-factor authentication process to fail.
- 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.

Enhancements:

- Ability of iLO Redfish to raise a clear event notification for an air filter replacement.
- Support for the Virtual Media Mount URL length increased to 1023 characters.
- Ability of the iLO interface to set and obtain the thermal configuration setting called Smooth Cooling along with the other existing configurations.
- Support for reporting boot progress states and boot time of a system through standard DMTF Redfish API.
- Added support to Add to Queue pane to move the task to the start of the installation queue.
- Added support to display the total estimated fan power consumption of all the fans in the server in the power meter graphs.
- Support for LLDP (link layer discovery protocol) over a Dedicated Network that is used by network devices for advertising their identity, capabilities, and neighbors on a LAN based on IEEE technology.

Online ROM Flash Firmware Package - iLO 6

Version: 1.67

Problems Fixed:

- Fixed an issue where there was no VSP output on HA800 G3 iLO6 due to stack overflow on VSP log buffer handling.
- Fixed an issue where the fan speed was not set as per the thermal configuration due to server device discovery not reaching vMainDeviceDiscoveryComplete.
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- Support for LLDP (link layer discovery protocol) over a Dedicated Network that is used by network devices for advertising their identity, capabilities, and neighbors on a LAN based on IEEE technology.

Identifiers for Intel Xeon E-24xx Processor for Microsoft Windows

Version: 10.1.19886.8592 (Recommended)

Enhancements

- Updated supported environments

Identifiers for Intel Xeon Scalable Processors (Fourth and Fifth Generation) for Microsoft Windows

Version: 10.1.19879.8585 (B) (Recommended)

Enhancements

- Updated support environments

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

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

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

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:

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

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.
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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

Broadcom NetXtreme-E Drivers for VMware vSphere 8.0

Version: 2025.03.00 (Recommended)

Important Note!

- This component is intended to be used by HV applications.
- 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:

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

Broadcom NetXtreme-E Drivers for VMware vSphere 9.0

Version: 2025.03.00 (Recommended)

Important Note!

- This component is intended to be used by HV applications.
- 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:

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

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 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:

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

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.
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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

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.
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This product supports the following network adapters:

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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:

- 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

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:

- 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

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:

- 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

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:

- 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

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:

- 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

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:

- 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

Intel igbn Driver for VMware vSphere 8.0

Version: 2024.09.00 (Recommended)

Important Note!

This component is intended to be used by HV applications. 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:

- 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

Intel igbn Driver for VMware vSphere 9.0

Version: 2025.03.00 (Recommended)

Important Note!

This component is intended to be used by HV applications. 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:

- 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

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 for 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.

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.

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 for 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.

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.

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 for 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.

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 2¹⁶ 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 for 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.

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.

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 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

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

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

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

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

Intel icen Driver for VMware vSphere 8.0

Version: 2025.03.00 (Recommended)

Important Note!

- This component is intended to be used by HV applications..
- 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

Intel icen Driver for VMware vSphere 9.0

Version: 2025.03.00 (Recommended)

Important Note!

- This component is intended to be used by HV applications.
- 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

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

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

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

Intel QuickAssist Technology driver for Microsoft Windows

Version: 2.3.0.6 (C) (Recommended)

Enhancements

- Updated Supported Environments MR416i-p, MR216i-p, MR416i-a, MR216i-a HA800 G2 and MR416i-p, MR416i-o, MR216i-o, MR408i-o, MR216i-p, MR408i-p HA800 G3 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 MR416i-p, MR216i-p, MR416i-a, MR216i-a HA800 G2 and MR416i-p, MR416i-o, MR216i-o, MR408i-o, MR216i-p, MR408i-p HA800 G3 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.

2019 edition

Version: 7.730.2.0 (Recommended)

Enhancements

- Add support for MR408i-p HA800 G3 controller MR416i-p, MR416i-a, MR216i-p, MR216i-a HA800 Controller and MR416i-o, MR416i-p, MR216i-o, MR216i-p, MR408i-o, MR408i-p HA800 G3 controllers driver for Microsoft Windows

2025 edition

Version: 7.730.2.0 (B) (Recommended)

Enhancements

- Support new HA800 G6 servers.

MR416i-p, MR416i-o, MR216i-o, MR408i-o, MR216i-p, MR408i-p HA800 G2 and HA800 G3 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.

for VMware vSphere 8.0 (Driver Component).

Version: 2025.02.01 (Recommended)

Important Note!

- This component is intended to be used by HV applications.
- 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.

HA800, HA800 G2 and HA800 G3 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).

HA800, HA800 G2 and HA800 G3 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).

Smart Array HA800, HA800 G2 and HA800 G3 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 HA800 Controller and MR416i-o, MR416i-p, MR216i-o, MR216i-p, MR408i-o , MR408i-p HA800 G3 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!

This component is supported only on HA800 G3 servers.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

- SN1610E 32Gb Dual port Fibre Channel Host Bus Adapter
- SN1700E 64Gb Dual Port Fibre Channel Host Bus Adapter
- SN1700E 64Gb Single Port Fibre Channel Host Bus Adapter

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

Version: 14.4.393.20 (Recommended)

Important Note!

This component is supported only on HA800 G3 servers. 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

- SN1610E 32Gb Dual port Fibre Channel Host Bus Adapter
- SN1700E 64Gb Dual Port Fibre Channel Host Bus Adapter
- SN1700E 64Gb Single Port Fibre Channel Host Bus Adapter

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

Version: 14.4.393.20 (Recommended)

Important Note!

This component is supported only on HA800 G3 servers. 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

- SN1610E 32Gb Dual port Fibre Channel Host Bus Adapter
- SN1700E 64Gb Dual Port Fibre Channel Host Bus Adapter
- SN1700E 64Gb Single Port Fibre Channel Host Bus Adapter

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

Version: 9.4.11.20 (Recommended)

Important Note!

This component is supported only on HA800 G3 servers. Release Notes: QLogic Adapters Release Notes

Enhancements

Updated to version 9.4.11.20

Supported Devices and Features

- SN1610Q 32Gb Dual Port Fibre Channel Host Bus Adapter

- SN1700Q 64Gb Dual Port Fibre Channel Host Bus Adapter
- SN1700Q 64Gb Single Port Fibre Channel Host Bus Adapter

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

Version: 9.4.11.20 (Recommended)

Important Note!

This component is supported only on HA800 G3 servers. Release Notes: QLogic Adapters Release Notes

Enhancements

Updated to version 9.4.11.20

Supported Devices and Features

- SN1610Q 32Gb Dual Port Fibre Channel Host Bus Adapter
- SN1700Q 64Gb Dual Port Fibre Channel Host Bus Adapter
- SN1700Q 64Gb Single Port Fibre Channel Host Bus Adapter

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

Version: 9.4.11.20 (Recommended)

Important Note!

This component is supported only on HA800 G3 servers. Release Notes: QLogic Adapters Release Notes

Enhancements

Updated to version 9.4.11.20

Supported Devices and Features

- SN1610Q 32Gb Dual Port Fibre Channel Host Bus Adapter
- SN1700Q 64Gb Dual Port Fibre Channel Host Bus Adapter
- SN1700Q 64Gb Single Port Fibre Channel Host Bus Adapter

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

Version: 14.4.329.9 (Recommended)

Important Note!

This component is supported only on HA800 G3 servers. Release notes: Broadcom Release notes

Enhancements

Version updated to 14.4.329.9

Supported Devices and Features

- SN1610E 32Gb Dual port Fibre Channel Host Bus Adapter
- SN1700E 64Gb Dual Port Fibre Channel Host Bus Adapter
- SN1700E 64Gb Single Port Fibre Channel Host Bus Adapter

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

Version: 10.02.13.03-k1 (Recommended)

Important Note!

This component is supported only on HA800 G3 servers. 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.

Enhancements

Updated Driver version 10.02.13.03-k1

Supported Devices and Features

- SN1610Q 32Gb Dual Port Fibre Channel Host Bus Adapter
 - SN1700Q 64Gb Dual Port Fibre Channel Host Bus Adapter
 - SN1700Q 64Gb Single Port Fibre Channel Host Bus Adapter
-

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

Version: 14.4.329.9 (Recommended)

Important Note!

This component is supported only on HA800 G3 servers. Release notes: Broadcom Release notes

Enhancements

Version updated to 14.4.329.9

Supported Devices and Features

- SN1610E 32Gb Dual port Fibre Channel Host Bus Adapter
 - SN1700E 64Gb Dual Port Fibre Channel Host Bus Adapter
 - SN1700E 64Gb Single Port Fibre Channel Host Bus Adapter
-

Red Hat Enterprise Linux 8 Update 9 Server Fibre Channel Driver Kit for QLogic Host Bus Adapter

Version: 10.02.13.03-k1 (Recommended)

Important Note!

This component is supported only on HA800 G3 servers. 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 "hpglqc" driver are supported.

Enhancements

Updated Driver version 10.02.13.03-k1

Supported Devices and Features

- SN1610Q 32Gb Dual Port Fibre Channel Host Bus Adapter
 - SN1700Q 64Gb Dual Port Fibre Channel Host Bus Adapter
 - SN1700Q 64Gb Single Port Fibre Channel Host Bus Adapter
-

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

Version: 14.4.329.9 (Recommended)

Important Note!

This component is supported only on HA800 G3 servers. Release notes: Broadcom Release notes

Enhancements

Version updated to 14.4.329.9

Supported Devices and Features

- SN1610E 32Gb Dual port Fibre Channel Host Bus Adapter
 - SN1700E 64Gb Dual Port Fibre Channel Host Bus Adapter
 - SN1700E 64Gb Single Port Fibre Channel Host Bus Adapter
-

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

Version: 14.4.329.9 (Recommended)

Important Note!

This component is supported only on HA800 G3 servers. Release notes: Broadcom Release notes

Enhancements

Version updated to 14.4.329.9

Supported Devices and Features

- SN1610E 32Gb Dual port Fibre Channel Host Bus Adapter
- SN1700E 64Gb Dual Port Fibre Channel Host Bus Adapter
- SN1700E 64Gb Single Port Fibre Channel Host Bus Adapter

Red Hat Enterprise Linux 9 Update 4 Server Fibre Channel Driver Kit for QLogic Host Bus Adapters

Version: 10.02.13.03-k1 (Recommended)

Important Note!

This component is supported only on HA800 G3 servers. 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.

Enhancements

Updated Driver version 10.02.13.03-k1

Supported Devices and Features

- SN1610Q 32Gb Dual Port Fibre Channel Host Bus Adapter
- SN1700Q 64Gb Dual Port Fibre Channel Host Bus Adapter
- SN1700Q 64Gb Single Port Fibre Channel Host Bus Adapter

Version: 10.02.13.03-k1 (Recommended)

Important Note!

This component is supported only on HA800 G3 servers. 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.

Enhancements

Updated Driver version 10.02.13.03-k1

Supported Devices and Features

- SN1610Q 32Gb Dual Port Fibre Channel Host Bus Adapter
- SN1700Q 64Gb Dual Port Fibre Channel Host Bus Adapter
- SN1700Q 64Gb Single Port Fibre Channel Host Bus Adapter

Broadcom PCIe Switch Management Driver for Microsoft Windows Server 2019

Version: 2.61.54.0 (B) (Optional)

Enhancements

- Updated Supported Device
- Updated SBOM requirement

Supported Devices and Features

- Broadcom PCIe Switch Management Port PEX890xx

iLO 6 Automatic Server Recovery Driver for Microsoft Windows Server 2019

Version: 4.7.1.0 (D) (Optional)

Enhancements

- Updated supported platforms

iLO 6 Automatic Server Recovery Driver for Microsoft Windows Server 2022

Version: 4.7.1.0 (G) (Optional)

Enhancements

- Updated Supported Environments

iLO 6 Automatic Server Recovery Driver for Microsoft Windows Server 2025

Version: 4.7.2.0 (C) (Optional)

Enhancements

- Updated supported product

iLO 6 Channel Interface Driver for Microsoft Windows Server 2019

Version: 4.7.1.0 (D) (Optional)

Enhancements

- Updated supported platforms

iLO 6 Channel Interface Driver for Microsoft Windows Server 2022

Version: 4.7.1.0 (G) (Optional)

Enhancements

- Updated Supported Environments

iLO 6 Channel Interface Driver for Microsoft Windows Server 2025

Version: 4.7.2.0 (C) (Optional)

Enhancements

- Updated supported product

Matrox G200eH3 Video Controller Driver for Microsoft Windows Server 2019, 2022 and 2025

Version: 9.15.1.268 (C) (Optional)

Enhancements

- Updated Supported Environments

Online ROM Flash Component for Linux - iLO 6

Version: 1.67 (Recommended)

Fixes

Initial Build

Enhancements

Initial Build

Online ROM Flash Component for Windows x64 - iLO 6

Version: 1.67 (Recommended)

Fixes

Initial Build

Enhancements

Initial Build

Online ROM Flash Firmware Package - iLO 6

Version: 1.67 (Recommended)

Fixes

Initial Build

Enhancements

Initial Build

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:

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

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

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 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 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 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 BCM5720 Ethernet 1Gb 2-port BASE-T LOM 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

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, 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-XXVDA2 Ethernet 10/25Gb 2-port SFP28 Adapter

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 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-XXVDA2 Ethernet 10/25Gb 2-port SFP28 OCP3 Adapter

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

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)

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
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

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:

- Intel I350-T4 Ethernet 1Gb 4-port BASE-T Adapter
- Intel I350-T4 Ethernet 1Gb 4-port BASE-T OCP3 Adapter

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
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

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:

- Intel I350-T4 Ethernet 1Gb 4-port BASE-T Adapter
- Intel I350-T4 Ethernet 1Gb 4-port BASE-T OCP3 Adapter

Mellanox Firmware Package (FWPKG) - Mellanox MCX631102AS-ADAT Ethernet 10/25Gb 2-port SFP28 Adapter

Version: 26.43.1014 (Recommended)

Ax.pldm.json

Important Note!

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Prerequisites

FWPKG will work only if the firmware version flashed on the adapter is 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

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!

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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 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.

Mellanox Firmware Package (FWPKG) for InfiniBand HDR100/Ethernet 100Gb 2-port QSFP56 PCIe4 x16 MCX653106A-ECAT Adapter

Version: 20.43.1014 (Recommended)

Important Note!

For PLDM enabled VPI (Virtual Protocol Interconnect) adapters supporting both InfiniBand mode and Ethernet mode.

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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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/connectx6firmwarev20431014/known+issues> Port #2 -

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

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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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/connectx6dxfirmwarev22431014/known+issues>

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

NVIDIA Firmware Package (FWPKG) for InfiniBand NDR/Ethernet 400Gb 1-port OSFP PCIe5 x16 MCX75310AAS-NEAT Adapter

Version: 28.44.1036 (Recommended)

Important Note!

For PLDM enabled VPI (Virtual Protocol Interconnect) adapters supporting both InfiniBand mode and Ethernet modes. 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>

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

NVIDIA Firmware Package (FWPKG) for InfiniBand NDR200/Ethernet 200Gb 1-port OSFP PCIe5 x16 MCX75310AAS-HEAT Adapter

Version: 28.44.1036 (Recommended)

Important Note!

For PLDM enabled VPI (Virtual Protocol Interconnect) adapters supporting both InfiniBand mode and Ethernet modes. 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

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.

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.

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) - 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.

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 - 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.
-

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 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

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

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) - 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

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 HA800 G3 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 - VV003840KXNTH, VV007680KXNTN and VV015360KXNTP

Version: HPK6 (Recommended)

Fixes

- Firmware maintenance release.

Universal Firmware Package for Drives - VV003840KXWBF, VV007680KXWBL and VV015360KXWBN

Version: HPK2 (Recommended)

Fixes

- This is a recommended FW release that provides bug fixes for the HPK2

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 - MV001600LYCBT, MV003200LYCBA, MV006400LYCBB, VV015360LYHDC, VV001920LYCBB, VV003840LYCAU and VV007680LYCAV

Version: HPK3 (Recommended)

Fixes

- The FW address: PCIe link drop and Other regular FW patches release.

Universal Firmware Package for Drives - MV003200LXUJK, MV006400LXUJL, VV003840LXUJE, VV007680LXUJF and VV015360LXUJH

Version: HPK6 (Recommended)

Fixes

Fixes PCIe link drop, Drive detection after hot re-insert on Windows and includes other regular FW patch releases.

Universal Firmware Package for Drives - VO000960KXNXD, VO001920KXNZQ, VO003840KXNZR, VO007680KXNZT, 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.

Universal Firmware Package for Drives - VV001920LYDTT, VV003840LYDTU and VV007680LYDTV

Version: HPK6 (Recommended)

Fixes

To eliminate the risk of gen drop issue.

Online ROM Flash for Linux - Advanced Power Capping Microcontroller Firmware

Version: 1.0.4 (C) (Recommended)

Enhancements

Version 1.0.4 firmware

Online ROM Flash for Linux - Advanced Power Capping Microcontroller Firmware II for HA800 G3 Servers

Version: 1.2.2 (D) (Recommended)

Important Note!

Important Notes:Ver. 1.2.2(D) contains updates to the firmware packaging and is functionally equivalent to ver.1.2.2. It is not necessary to upgrade with Revision D if a previous component revision was used to upgrade the firmware to version 1.2.2.This Linux component is compatible with Service Pack for Hitachi Vantara 2024.11.00.00.Deliverable Name:Advanced Power Capping Microcontroller Firmware II for HA800 G3 Servers Release Version:1.2.2 Last Recommended or Critical Revision:This is the initial version of the firmware Previous Revision:This is the initial version of the firmware Firmware Dependencies:None

Enhancements/New Features:

None Problems Fixed:This is the initial version of the firmware.Known Issues:None

Prerequisites

The "iLO 6 Channel Interface Driver" (CHIF) for Linux which is integrated into the standard Linux kernel.HA800 G3 servers with Power-PIC solution.

Enhancements

Important Notes:Ver. 1.2.2(D) contains updates to the firmware packaging and is functionally equivalent to ver.1.2.2. It is not necessary to upgrade with Revision D if a previous component revision was used to upgrade the firmware to version 1.2.2.This Linux component is compatible with Service Pack for Hitachi Vantara 2024.11.00.00.Firmware Dependencies:None

Enhancements/New Features:

This is the initial verison of the firmware.Known Issues:None

Online ROM Flash for Windows x64 - Advanced Power Capping Microcontroller Firmware

Version: 1.0.4 (C) (Recommended)

Enhancements

Version 1.0.4 firmware

Online ROM Flash for Windows x64 - Advanced Power Capping Microcontroller Firmware II for HA800 G3 Servers

Version: 1.2.2 (C) (Recommended)

Important Note!

Important Notes:Ver. 1.2.2(C) contains updates to the firmware packaging and is functionally equivalent to ver.1.2.2. It is not necessary to upgrade with Revision C if a previous component revision was used to upgrade the firmware to version 1.2.2.Deliverable Name:Advanced Power Capping Microcontroller Firmware II for HA800 G3 Servers Release Version:1.2.2 Last Recommended or Critical Revision:This is the initial version of the firmware Previous Revision:This is the initial version of the firmware Firmware Dependencies:None

Enhancements/New Features:

None Problems Fixed:This is the initial version of the firmware.Known Issues:None

Prerequisites

The "iLO 6 Channel Interface Driver" (CHIF) for Windows which is available from Service Pack for Hitachi Vantara (SPV).HA800 G3 servers with Power-PIC solution.

Enhancements

Important Notes:Ver. 1.2.2(C) contains updates to the firmware packaging and is functionally equivalent to ver.1.2.2. It is not necessary to upgrade with Revision C if a previous component revision was used to upgrade the firmware to version 1.2.2.Firmware Dependencies:None

Enhancements/New Features:

This is the initial verison of the firmware.Known Issues:None

ROM Flash Firmware Package - Advanced Power Capping Microcontroller Firmware

Version: 1.0.4 (Recommended)

Enhancements

Version 1.0.4 firmware

ROM Flash Firmware Package - Advanced Power Capping Microcontroller Firmware II for HA800 G3 Servers

Version: 1.2.2 (Recommended)

Important Note!

Important Notes:None Deliverable Name:Advanced Power Capping Microcontroller Firmware II for HA800 G3 Servers Release Version:1.2.2 Last Recommended or Critical Revision:This is the initial version of the firmware Previous Revision:This is the initial version of the firmware Firmware Dependencies:None

Enhancements/New Features:

None Problems Fixed:This is the initial version of the firmware.Known Issues:None

Prerequisites

Integrated Lights-Out 6 (iLO 6) Firmware.HA800 G3 servers with Power-PIC solution.

Enhancements

Important Notes:None Firmware Dependencies:None

Enhancements/New Features:

This is the initial version of the firmware.Known Issues:None

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) - 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) - 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) - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCC, MO006400PXDCE, VO000960PXDBN, VO001920PXDBR, 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.

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) - 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) - 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) - 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) - 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) - 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

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) - 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) - 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 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 - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDC, MO003200PXDCD, MO006400PXDCE, VO000960PXDBN, 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 ESXi 9.0.

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 - 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 - 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.

Online HDD/SSD Flash Component for VMware ESXi - MM1000JFJTH Drive

Version: HPD5 (E) (Recommended)

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 - 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 - 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.
-

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 - 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 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) - 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) - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCC, MO006400PXDCE, VO000960PXDBN, 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 Azure Stack HCI 23H2.

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.
-

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.
-

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.
-

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.
-

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.
-

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) - 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) - 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.
-

Online HDD/SSD Flash Component for Windows (x64) - MB016000JWXXH 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) - 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.
-

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.

Universal Firmware Package for Drives - MB006000JWZVQ and MB008000JWZVR

Version: HPD3 (B) (Recommended)

Fixes

- Remove ROM flash way from this FWPKG.

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, MO001920RXRRH, MO003840RXRRK, VO000960RXRQL, VO001920RXRRL, VO003840RXRRN and VO007680RYEWD

Version: HPD4 (B) (Critical)

Fixes

- Remove ROM flash way from this FWPKG.
-

Universal Firmware Package for Drives - MO001600PXMTN, MO003200PXMTV, MO006400PXMUA, VO001920PXMTL, VO003840PXMTR, 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, VO000960RZWUQ, VO001920RZWUR, VO001920RZWUV, VO003840RZWUT, VO003840RZWVA and VO007680RZWUU

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) - 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, MB002000GWFVA and MB004000GFWB 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) - 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) - MB010000GYDKP, MB012000GYCJL, MB014000GYCJT, MB016000GYDKQ and MB018000GYDKR Drives

Version: HPG2 (C) (Recommended)

Fixes

- Fixed flashing issue through SDR method
-

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
-

Online HDD/SSD Flash Component for Linux (x64) - MB012000GWTFE and MB014000GWTFF 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
-

Online HDD/SSD Flash Component for Linux (x64) - MB012000GZVVT, MB014000GZVU, MB016000GZVW 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
-

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

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

Online HDD/SSD Flash Component for Linux (x64) - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTTC, VK003840GWTTD, MK000480GWTTTH, MK000960GWTTK, MK001920GWTTL 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

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

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 - 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 - MB001000GFWFK 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 - 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 - 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 - MB012000GZYVT, MB014000GZYVU, MB016000GZYVV 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 - 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, MK000960GZXR B, 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.

Online HDD/SSD Flash Component for VMware ESXi - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GW TTC, VK003840GWTTD, MK000480GW TTH, MK000960GW TTK, MK001920GW TTL and MK003840GW TTN 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 - 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) - MB001000GWFVK and MB002000GWFVL 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.
-

Online HDD/SSD Flash Component for Windows (x64) - MB001000GWJAN, MB002000GWFWA and MB004000GWFWB 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) - 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) - 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) - 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.
-

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.
-

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.
-

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) - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTTC, VK003840GWTTD, MK000480GWTTTH, MK000960GWTTK, MK001920GWTTTL 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) - 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.

Universal Firmware Package for Drives - MB24000GYEVK

Version: HPG1 (Recommended)

Fixes

- FW assert fix and other regular maintenance release.

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.

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 HA800 and SR308i-o,SR308i-p HA800 G3 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.

Firmware Package - HA800 G3 Boot Controller NS204i-u, NS204i-d and HA800 G2 Boot Controller NS204i-p, NS204i-d, NS204i-t, NS204i-r

Version: 1.2.14.1018 (C) (Recommended)

Important Note!

1.2.14.1018 is the minimum firmware requirement for AMD Turin DL365/385 and Intel HA800 G6 platforms. 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.

Firmware Package - MR216i-o HA800 G3 Tri Mode Controller

Version: 52.30.3-5917 (B) (Recommended)

Important Note!

- This firmware version to be used on MR216i-o HA800 G3 Controller.
- Please do not update MR controller FW/MRSA/StorCLI if systems installed both SR100i and MR controllers.

Prerequisites

iLO6 version should be at least 1.53 is required for chassis&Fabric support.

Enhancements

- Support new HA800 G6 servers.

Firmware Package - MR216i-p HA800 G3 Tri Mode Controller

Version: 52.30.3-5917 (B) (Recommended)

Important Note!

- This firmware version to be used on MR216i-p HA800 G3 Controller.
- Please do not update MR controller FW/MRSA/StorCLI if systems installed both SR100i and MR controllers.

Prerequisites

iLO6 version should be at least 1.53 is required for chassis&Fabric support.

Enhancements

- Support new HA800 G6 servers.

Firmware Package - MR408i-o HA800 G3 Tri Mode Controller

Version: 52.30.3-5917 (B) (Recommended)

Important Note!

- This firmware version to be used on MR408i-o HA800 G3 Controller.
- Please do not update MR controller FW/MRSA/StorCLI if systems installed both SR100i and MR controllers.

Prerequisites

iLO6 version should be at least 1.53 is required for chassis&Fabric support.

Enhancements

- Support new HA800 G6 servers.
-

Firmware Package - MR416i-o HA800 G3 Tri Mode Controller

Version: 52.30.3-5917 (B) (Recommended)

Important Note!

- This firmware version to be used on MR416i-o HA800 G3 Controller.
- Please do not update MR controller FW/MRSA/StorCLI if systems installed both SR100i and MR controllers.

Prerequisites

iLO6 version should be at least 1.53 is required for chassis&Fabric support.

Enhancements

- Support new HA800 G6 servers.
-

Firmware Package - MR416i-p HA800 G3 Tri Mode Controller

Version: 52.30.3-5917 (B) (Recommended)

Important Note!

- This firmware version to be used on MR416i-p HA800 G3 Controller.
- Please do not update MR controller FW/MRSA/StorCLI if systems installed both SR100i and MR controllers.

Prerequisites

iLO6 version should be at least 1.53 is required for chassis&Fabric support.

Enhancements

- Support new HA800 G6 servers.
-

Firmware Package - SR932i-p HA800 G2 /SR416i-a HA800 G2/SR932i-p HA800 G3/SR416ie-m HA800 G3 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 no't 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.

Online NVMe SSD Flash Component for Linux - MZ1L21T9HCLS-00A07, MZ1L23T8HBLA-00A07 and MZ1L2960HCJR-00A07 Drive

Version: GDC7502Q (C) (Recommended)

Important Note!

Samsung has found that the bridge FW could make error mode on PCIe link down under Lane reduction situation

Fixes

SHA384 fix

Enhancements

SHA384 fix

Firmware Flash for Emulex 32Gb and 64Gb Fibre Channel Host Bus Adapters

Version: 14.4.473.14 (Recommended)

Important Note!

This component is supported only on HA800 G3 servers. Release notes: Broadcom Release notes This Firmware package contains following firmware versions:

Adapter	Speed	Universal Boot Image	Firmware	UEFI	Boot Bios
SN1610E 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
SN1700E 64Gb Single Port Fibre	64Gb	14.4.473.14	14.4.473.14	14.4.473.8	14.4.469.0

Channel Host Bus Adapter					
SN1700E 64Gb Dual Port Fibre Channel Host Bus Adapter	64Gb	14.4.473.14	14.4.473.14	14.4.473.8	14.4.469.0

Prerequisites

The minimum version for adapter to support PLDM is 14.0.499.25

Enhancements

This component is supported only on HA800 G3 servers. Release notes: Broadcom Release notes This Firmware package contains following firmware versions:

Adapter	Speed	Universal Boot Image	Firmware	UEFI	Boot Bios
SN1610E 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
SN1700E 64Gb Single Port Fibre Channel Host Bus Adapter	64Gb	14.4.473.14	14.4.473.14	14.4.473.8	14.4.469.0
SN1700E 64Gb Dual Port Fibre Channel Host Bus Adapter	64Gb	14.4.473.14	14.4.473.14	14.4.473.8	14.4.469.0

Supported Devices and Features

- SN1610E 32Gb Single Port Fibre Channel Host Bus Adapter
- SN1700E 64Gb Dual port Fibre Channel Host Bus Adapter
- SN1700E 64Gb Single port Fibre Channel Host Bus Adapter

Firmware Flash for QLogic 32Gb and 64Gb Fibre Channel Host Bus Adapters

Version: 02.10.08 (Recommended)

Important Note!

Release Notes: QLogic Adapters Release Notes This Firmware package contains following firmware versions:

Adapter	Speed	MBI	Firmware	UEFI	Boot Bios
SN1610Q 32Gb Single Port Fibre Channel Host Bus Adapter	32Gb	02.10.08	09.15.05	7.39	0.0
SN1700Q 64Gb Dual Port Fibre Channel Host Bus Adapter	64Gb	02.10.08	09.15.05	7.39	0.0
SN1700Q 64Gb Single Port Fibre Channel Host Bus Adapter	64Gb	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 SN1610Q 32Gb Dual Port Fibre Channel Host Bus Adapter 32Gb 02.10.08 09.15.05 7.39 0.0 SN1610Q 32Gb Single Port Fibre Channel Host Bus Adapter 32Gb 02.10.08 09.15.05 7.39 0.0 SN1700Q 64Gb Dual Port Fibre Channel Host Bus Adapter 64Gb 02.10.08 09.15.05 7.39 0.0 SN1700Q 64Gb Single Port Fibre Channel Host Bus Adapter 64Gb 02.10.08 09.15.05 7.39 0.0

Supported Devices and Features

- SN1610Q 32Gb Single Port Fibre Channel Host Bus Adapter
- SN1700Q 64Gb Dual Port Fibre Channel Host Bus Adapter
- SN1700Q 64Gb Single Port Fibre Channel Host Bus Adapter

Firmware Package - UBM10 Backplane PIC PLDM Firmware

Version: 1.02 (Recommended)

Important Note!

Flash FWPKG Component on Web Standalone mode

- PLDM FWPKG component can be supported installation of UBM10 firmware when Backplane direct attached the the server.

Prerequisites

- For HA800 G3 servers, iLO 6 version 1.10 or later is required.
- For HA800 G6 servers iLO 6 version 1.62 or later is required

Enhancements

Fixed Secure boot not enable.

Firmware Package - UBM4 Backplane PIC PLDM Firmware for HA800 G2/HA800 G3/HA800 G6 servers usage

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 - UBM5 Backplane PIC PLDM Firmware for HA800 G3 servers usage

Version: 1.16 (Recommended)

Important Note!

Flash FWPKG Component on Web Standalone mode

- PLDM FWPKG component only supports installation of UBM5 firmware when attached to SR416/SR932(Firmware version 3.01.14.062 or later is need)
- PLDM FWPKG component can be supported installation of UBM5 firmware when direct attached the the server

Prerequisites

iLO 6 version 1.10 or later is required.

Enhancements

New vesion with 1.16

Firmware Package - UBM6 Backplane PIC PLDM Firmware for HA800/HA800 G2/HA800 G3/HA800 G6 servers usage

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 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 SY480 HA800 G6 server.

Firmware Package - UBM7 Backplane PIC PLDM Firmware

Version: 1.10 (B) (Recommended)

Important Note!

Flash FWPKG Component on Web Standalone mode

- PLDM FWPKG component can be supported installation of UBM7 firmware when Backplane direct attached the the server
- PLDM FWPKG component has minimum supports installation receipt of UBM7 firmware when attached to SR416/SR932(Controller Firmware version 03.01.23.072 or later is need)

Prerequisites

- For HA800 G3 servers, iLO 6 version 1.10 or later is required.

Enhancements

Support SY480 HA800 G6 server.Online ROM Flash Component for Windows x64 - Server Platform Services Manageability Engine

Firmware for the 4th Generation Intel Xeon Processor based systems

Version: 06.01.04.075.0 (B) (Recommended)

Important Note!

Important Notes:This version of the Server Platform Services (SPS) Firmware contains the latest package for 4th and 5th Generation Intel Xeon Scalable Processors. This version of the SPS should be paired with System ROM 2.40.Deliverable Name:Server Platform Services (SPS) Firmware for HA800 G3 Servers Release
Version:06.01.04.075.0 Last Recommended or Critical Revision:06.01.04.075.0 Previous Revision:06.01.04.047.0
Firmware Dependencies:None

Enhancements/New Features:

This version is in compliance with Intel uPLR3 guidance.Problems Fixed:None Known Issues:None

Enhancements

Important Notes:This version of the Server Platform Services (SPS) Firmware contains the latest package for 4th and 5th Generation Intel Xeon Scalable Processors. This version of the SPS should be paired with System ROM 2.40.Firmware Dependencies:None

Enhancements/New Features:

This version is in compliance with Intel uPLR3 guidance.Known Issues:None Online ROM Flash Component for

Firmware for the 4th Generation Intel Xeon Processor based systems

Version: 06.01.04.075.0 (B) (Recommended)

Important Note!

Important Notes:This version of the Server Platform Services (SPS) Firmware contains the latest package for 4th and 5th Generation Intel Xeon Scalable Processors. This version of the SPS should be paired with System ROM 2.40.Deliverable Name:Server Platform Services (SPS) Firmware for HA800 G3 Servers Release
Version:06.01.04.075.0 Last Recommended or Critical Revision:06.01.04.075.0 Previous Revision:06.01.04.047.0
Firmware Dependencies:None

Enhancements/New Features:

This version is in compliance with Intel uPLR3 guidance.Problems Fixed:None Known Issues:None

Enhancements

Important Notes:This version of the Server Platform Services (SPS) Firmware contains the latest package for 4th and 5th Generation Intel Xeon Scalable Processors. This version of the SPS should be paired with System ROM 2.40.Firmware Dependencies:None

Enhancements/New Features:

This version is in compliance with Intel uPLR3 guidance.Known Issues:None Online ROM Flash Component for Windows x64 - Server Platform Services Manageability Engine

Firmware for the 4th Generation Intel Xeon Processor based systems

Version: 06.01.04.075.0 (B) (Recommended)

Important Note!

Important Notes:This version of the Server Platform Services (SPS) Firmware contains the latest package for 4th and 5th Generation Intel Xeon Scalable Processors. This version of the SPS should be paired with System ROM 2.40.Deliverable Name:Server Platform Services (SPS) Firmware for HA800 G3 Servers Release
Version:06.01.04.075.0 Last Recommended or Critical Revision:06.01.04.075.0 Previous Revision:06.01.04.047.0
Firmware Dependencies:None

Enhancements/New Features:

This version is in compliance with Intel uPLR3 guidance.Problems Fixed:None Known Issues:None

Enhancements

Important Notes:This version of the Server Platform Services (SPS) Firmware contains the latest package for 4th and 5th Generation Intel Xeon Scalable Processors. This version of the SPS should be paired with System ROM 2.40.Firmware Dependencies:None

Enhancements/New Features:

This version is in compliance with Intel uPLR3 guidance.Known Issues:None Online ROM Flash Component for Windows x64 - Server Platform Services Manageability Engine

Firmware for the 4th Generation Intel Xeon Processor based systems

Version: 06.01.04.075.0 (B) (Recommended)

Important Note!

Important Notes:This version of the Server Platform Services (SPS) Firmware contains the latest package for 4th and 5th Generation Intel Xeon Scalable Processors. This version of the SPS should be paired with System ROM 2.40.Deliverable Name:Server Platform Services (SPS) Firmware for HA800 G3 Servers Release

Version:06.01.04.075.0 Last Recommended or Critical Revision:06.01.04.075.0 Previous Revision:06.01.04.047.0
Firmware Dependencies:None

Enhancements/New Features:

This version is in compliance with Intel uPLR3 guidance.Problems Fixed:None Known Issues:None

Enhancements

Important Notes:This version of the Server Platform Services (SPS) Firmware contains the latest package for 4th and 5th Generation Intel Xeon Scalable Processors. This version of the SPS should be paired with System ROM 2.40.Firmware Dependencies:None

Enhancements/New Features:

This version is in compliance with Intel uPLR3 guidance.Known Issues:None Online ROM Flash Component for Windows x64 - Server Platform Services Manageability Engine

Firmware for the Intel C262 PCH based systems

Version: 06.03.04.048.0 (B) (Recommended)

Enhancements

Version 06.03.04.048.0 firmware

Online ROM Flash for Linux - Server Platform Services Manageability Engine Firmware for the 4th Generation Intel Xeon Processor based systems

Version: 06.01.04.075.0 (Recommended)

Important Note!

Important Notes:This version of the Server Platform Services (SPS) Firmware contains the latest package for 4th and 5th Generation Intel Xeon Scalable Processors. This version of the SPS should be paired with System ROM 2.40.Deliverable Name:Server Platform Services (SPS) Firmware for HA800 G3 Servers Release
Version:06.01.04.075.0 Last Recommended or Critical Revision:06.01.04.075.0 Previous Revision:06.01.04.047.0
Firmware Dependencies:None

Enhancements/New Features:

This version is in compliance with Intel uPLR3 guidance.Problems Fixed:None Known Issues:None

Enhancements

Important Notes:This version of the Server Platform Services (SPS) Firmware contains the latest package for 4th and 5th Generation Intel Xeon Scalable Processors. This version of the SPS should be paired with System ROM 2.40.Firmware Dependencies:None

Enhancements/New Features:

This version is in compliance with Intel uPLR3 guidance.Known Issues:None

Online ROM Flash for Linux - Server Platform Services Manageability Engine Firmware for the 4th Generation Intel Xeon Processor based systems

Version: 06.01.04.075.0 (Recommended)

Important Note!

Important Notes:This version of the Server Platform Services (SPS) Firmware contains the latest package for 4th and 5th Generation Intel Xeon Scalable Processors. This version of the SPS should be paired with System ROM 2.40.Deliverable Name:Server Platform Services (SPS) Firmware for HA800 G3 Servers Release
Version:06.01.04.075.0 Last Recommended or Critical Revision:06.01.04.075.0 Previous Revision:06.01.04.047.0

Firmware Dependencies:None

Enhancements/New Features:

This version is in compliance with Intel uPLR3 guidance.Problems Fixed:None Known Issues:None

Enhancements

Important Notes:This version of the Server Platform Services (SPS) Firmware contains the latest package for 4th and 5th Generation Intel Xeon Scalable Processors. This version of the SPS should be paired with System ROM 2.40.Firmware Dependencies:None

Enhancements/New Features:

This version is in compliance with Intel uPLR3 guidance.Known Issues:None

Online ROM Flash for Linux - Server Platform Services Manageability Engine Firmware for the 4th Generation Intel Xeon Processor based systems

Version: 06.01.04.075.0 (Recommended)

Important Note!

Important Notes:This version of the Server Platform Services (SPS) Firmware contains the latest package for 4th and 5th Generation Intel Xeon Scalable Processors. This version of the SPS should be paired with System ROM 2.40.Deliverable Name:Server Platform Services (SPS) Firmware for HA800 G3 Servers Release
Version:06.01.04.075.0 Last Recommended or Critical Revision:06.01.04.075.0 Previous Revision:06.01.04.047.0
Firmware Dependencies:None

Enhancements/New Features:

This version is in compliance with Intel uPLR3 guidance.Problems Fixed:None Known Issues:None

Enhancements

Important Notes:This version of the Server Platform Services (SPS) Firmware contains the latest package for 4th and 5th Generation Intel Xeon Scalable Processors. This version of the SPS should be paired with System ROM 2.40.Firmware Dependencies:None

Enhancements/New Features:

This version is in compliance with Intel uPLR3 guidance.Known Issues:None

Online ROM Flash for Linux - Server Platform Services Manageability Engine Firmware for the 4th Generation Intel Xeon Processor based systems

Version: 06.01.04.075.0 (Recommended)

Important Note!

Important Notes:This version of the Server Platform Services (SPS) Firmware contains the latest package for 4th and 5th Generation Intel Xeon Scalable Processors. This version of the SPS should be paired with System ROM 2.40.Deliverable Name:Server Platform Services (SPS) Firmware for HA800 G3 Servers Release
Version:06.01.04.075.0 Last Recommended or Critical Revision:06.01.04.075.0 Previous Revision:06.01.04.047.0
Firmware Dependencies:None

Enhancements/New Features:

This version is in compliance with Intel uPLR3 guidance.Problems Fixed:None Known Issues:None

Enhancements

Important Notes:This version of the Server Platform Services (SPS) Firmware contains the latest package for 4th and 5th Generation Intel Xeon Scalable Processors. This version of the SPS should be paired with System ROM 2.40.Firmware Dependencies:None

Enhancements/New Features:

This version is in compliance with Intel uPLR3 guidance.Known Issues:None

Online ROM Flash for Linux - Server Platform Services Manageability Engine Firmware for the Intel C262 PCH based systems

Version: 06.03.04.048.0 (Recommended)

Enhancements

Version 06.03.04.048.0 firmware

ROM Flash Firmware Package - Server Platform Services Manageability Engine Firmware for the 4th Generation Intel Xeon Processor based systems

Version: 06.01.04.075.0 (Recommended)

Important Note!

Important Notes:This version of the Server Platform Services (SPS) Firmware contains the latest package for 4th and 5th Generation Intel Xeon Scalable Processors. This version of the SPS should be paired with System ROM 2.40.Deliverable Name:Server Platform Services (SPS) Firmware for HA800 G3 Servers Release
Version:06.01.04.075.0 Last Recommended or Critical Revision:06.01.04.075.0 Previous Revision:06.01.04.047.0
Firmware Dependencies:None

Enhancements/New Features:

This version is in compliance with Intel uPLR3 guidance.Problems Fixed:None Known Issues:None

Enhancements

Important Notes:This version of the Server Platform Services (SPS) Firmware contains the latest package for 4th and 5th Generation Intel Xeon Scalable Processors. This version of the SPS should be paired with System ROM 2.40.Firmware Dependencies:None

Enhancements/New Features:

This version is in compliance with Intel uPLR3 guidance.Known Issues:None

ROM Flash Firmware Package - Server Platform Services Manageability Engine Firmware for the 4th Generation Intel Xeon Processor based systems

Version: 06.01.04.075.0 (Recommended)

Important Note!

Important Notes:This version of the Server Platform Services (SPS) Firmware contains the latest package for 4th and 5th Generation Intel Xeon Scalable Processors. This version of the SPS should be paired with System ROM 2.40.Deliverable Name:Server Platform Services (SPS) Firmware for HA800 G3 Servers Release
Version:06.01.04.075.0 Last Recommended or Critical Revision:06.01.04.075.0 Previous Revision:06.01.04.047.0
Firmware Dependencies:None

Enhancements/New Features:

This version is in compliance with Intel uPLR3 guidance.Problems Fixed:None Known Issues:None

Enhancements

Important Notes:This version of the Server Platform Services (SPS) Firmware contains the latest package for 4th and 5th Generation Intel Xeon Scalable Processors. This version of the SPS should be paired with System ROM 2.40.Firmware Dependencies:None

Enhancements/New Features:

This version is in compliance with Intel uPLR3 guidance.Known Issues:None

ROM Flash Firmware Package - Server Platform Services Manageability Engine Firmware for the 4th Generation Intel Xeon Processor based systems

Version: 06.01.04.075.0 (Recommended)

Important Note!

Important Notes:This version of the Server Platform Services (SPS) Firmware contains the latest package for 4th and 5th Generation Intel Xeon Scalable Processors. This version of the SPS should be paired with System ROM 2.40.Deliverable Name:Server Platform Services (SPS) Firmware for HA800 G3 Servers Release
Version:06.01.04.075.0 Last Recommended or Critical Revision:06.01.04.075.0 Previous Revision:06.01.04.047.0
Firmware Dependencies:None

Enhancements/New Features:

This version is in compliance with Intel uPLR3 guidance.Problems Fixed:None Known Issues:None

Enhancements

Important Notes:This version of the Server Platform Services (SPS) Firmware contains the latest package for 4th and 5th Generation Intel Xeon Scalable Processors. This version of the SPS should be paired with System ROM 2.40.Firmware Dependencies:None

Enhancements/New Features:

This version is in compliance with Intel uPLR3 guidance.Known Issues:None

ROM Flash Firmware Package - Server Platform Services Manageability Engine Firmware for the Intel C262 PCH based systems

Version: 06.03.04.048.0 (Recommended)

Enhancements

Version 06.03.04.048.0 firmware

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

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

iLO Driver Bundle Smart Component for ESXi 8.0 and ESXi 9.0

Version: 2025.03.00 (Recommended)

Enhancements

Support VMware ESXi 9.0.

Smart Storage Administrator (SSA) CLI Smart Component for ESXi 8.0 for HA800/HA800 G2/HA800 G3 Controllers

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 for HA800/HA800 G2/HA800 G3 Controllers

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 (For HA800 G2 and HA800 G3 Controllers)

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 (For HA800 G2 and HA800 G3 Controllers)

Version: 2025.01.01 (Recommended)

Important Note!

- Actual ESXi Version is 007.3011.0000.0000

Enhancements

- Initial release.
-

QLogic Fibre Channel driver component for VMware vSphere 8.0

Version: 2024.09.01 (Recommended)

Important Note!

This component is supported only on HA800 G3 servers. Release Notes: QLogic Adapters Release Notes This component is intended to be used by HV applications. This driver is only supported on VMware ESXi 8.0u3.

Enhancements

Driver version 5.4.83.1 This driver is only supported on VMware ESXi 8.0u3

Supported Devices and Features

- SN1610Q 32Gb Dual Port Fibre Channel Host Bus Adapter
 - SN1700Q 64Gb Dual Port Fibre Channel Host Bus Adapter
 - SN1700Q 64Gb Single Port Fibre Channel Host Bus Adapter
-

QLogic Fibre Channel driver component for VMware vSphere 8.0

Version: 2024.09.01 (Recommended)

Important Note!

This component is supported only on HA800 G3 servers. Release Notes: QLogic Adapters Release Notes This component is intended to be used by HV applications.

Enhancements

Driver version 5.4.82.1

Supported Devices and Features

- SN1610Q 32Gb Dual Port Fibre Channel Host Bus Adapter
 - SN1700Q 64Gb Dual Port Fibre Channel Host Bus Adapter
 - SN1700Q 64Gb Single Port Fibre Channel Host Bus Adapter
-

QLogic Fibre Channel driver component for VMware vSphere 9.0

Version: 2025.03.01 (Recommended)

Important Note!

This component is supported only on HA800 G3 servers. Release Notes: QLogic Adapters Release Notes This component is intended to be used by HV applications. This driver is only supported on VMware ESXi 9.0

Enhancements

Driver version 5.4.83.1 This driver is only supported on VMware ESXi 9.0

Supported Devices and Features

- SN1610Q 32Gb Dual Port Fibre Channel Host Bus Adapter
- SN1700Q 64Gb Dual Port Fibre Channel Host Bus Adapter
- SN1700Q 64Gb Single Port Fibre Channel Host Bus Adapter

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
- For 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.

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.

Agentless Management Service for Microsoft Windows x64

Version: 4.10.0.0 (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 iLO6 firmware version 1.1 and newer.
- When in iLO6 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. For servers with iLO7: 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.

Agentless Management Bundle Smart Component on ESXi for HA800 G3 and HA800 G6 Servers

Version: 2025.03.01 (Recommended)

Prerequisites

For 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.

MegaRAID Storage Administrator for Linux 64-bit (MRSA for HA800 G2 and HA800 G3 Controllers)

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 insserv 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 (MRSA for HA800 G2 and HA800 G3 Controllers)

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 (for HA800 and HA800 G3 Controllers)

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 (for HA800 G2 and HA800 G3 Controllers)

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.
-

Smart Storage Administrator (SSA) CLI for Linux 64-bit for HA800/HA800 G2/HA800 G3 Controllers

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 for HA800/HA800 G2/HA800 G3 Controllers

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 for HA800/HA800 G2/HA800 G3 Controllers

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 for HA800/HA800 G2/HA800 G3 Controllers

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 for HA800/HA800 G2/HA800 G3 Controllers

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 Diagnostic Utility (SSADU) CLI for Windows 64-bit for HA800/HA800 G2/HA800 G3 Controllers

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 showdetail" is used.

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