

## VMware Deliverable Release Notes

This document does not apply to HPE Superdome servers. For information on HPE Superdome, see the following links:

[HPE Integrity Superdome X](#)  
[HPE Superdome Flex](#)

Information on HPE Synergy supported VMware ESXi OS releases, HPE ESXi Custom Images and HPE Synergy Custom SPPs is available at:

[OS Support Tool for HPE Synergy](#)

Information on HPE Synergy Software Releases is available at:

[HPE Synergy Software Releases - Overview](#)

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## Gen12 SPP 2025.03.00.00 Release Notes for VMware ESXi 9.0

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### BIOS - System ROM

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ROM Flash Firmware Package - HPE ProLiant Compute DL360/DL380/ML350 Gen12 Servers (U68) Servers

Version: 1.30\_03-21-2025 (**Recommended**)

Filename: U68\_1.30\_03\_21\_2025.fwpkg; U68\_1.30\_03\_21\_2025.json

### **Important Note!**

#### **Important Notes:**

This version of the System ROM contains updates aligned with Intel Birch Stream GNR SP MR1 and SRF PLR2 BKC.

Details about reported security vulnerabilities and their mitigation can be found at the following link [Security Bulletin Library | HPE Support](#).

#### **Deliverable Name:**

HPE DL360 Gen12/DL380 Gen12/ML350 Gen12 System ROM - U68

#### **Release Version:**

1.30\_03-21-2025

#### **Last Recommended or Critical Revision:**

1.30\_03-21-2025

#### **Previous Revision:**

1.20\_02-14-2025

#### **Firmware Dependencies:**

None

#### **Enhancements/New Features:**

None

#### **Problems Fixed:**

Addressed an issue where the system iSCSI LUN might not be listed in RBSU One Time Boot Menu.

Addressed an issue where the system might RSOD after adding NVME-oF/TCP target in RBSU.

Addressed an issue where the system front OCP adapter could not be disabled.

Addressed an issue where the system default boot order could not be changed via Redfish.

Addressed an issue where the system diagnostic NMI might not be triggered for the first time.

Addressed an issue where the system OCP adapter's option ROM could not be disabled.

Addressed an issue where the system SED drives might not be listed in the RBSU Device Encryption Status page.

Addressed an issue where the system cannot boots up Intelligent Provisioning.

Addressed an issue where the system NS204i-u controller type might be shown as "Undefined" in the iLO Device Inventory.

Addressed an issue where the system logo might not be correctly located by SUM.

Addressed an issue where the system event message in IML and POST might include a wrong slot-ID when there is a PCIe link training issue in PCIe slot.

Addressed an issue where the system might RSOD when performing firmware update via Firmware Management Protocol.

Addressed an issue where the System ROM might report NVRAM corruption after loading system default settings.

Resolved an issue where the system could log incorrect battery events when it has controllers with a low battery charge installed.

Addressed an issue where the system might have an addition reset after loading system default settings.

Addressed an issue where the "sysconfig -d set systemdefaults all" command in the UEFI Shell would have an error.

Addressed an issue where the system Embedded Diagnostics could not be launched via embedded shell command.

Addressed an issue where the system would not log security event when RBSU->Server Security->TLS(HTTPS) Options->Advanced Security Settings-> "Certificate validation for every TLS connection" was set to "NONE".

Addressed an issue where the system has no IML message pop up when setting EDPC to OS Control mode in Windows.

Addressed an issue where the system might have unexpected IML messages after flashing drive firmware.

Addressed an issue where Intel TSX could not be disabled via RBSU menu.

Addressed an issue where the system Server Name was not in sync with iLO after changing the Server Name in RBSU.

#### **Known Issues:**

None

## **Fixes**

#### **Important Notes:**

This version of the System ROM contains updates aligned with Intel Birch Stream GNR SP MR1 and SRF PLR2 BKC.

Details about reported security vulnerabilities and their mitigation can be found at the following link [Security Bulletin Library | HPE Support](#).

#### **Firmware Dependencies:**

None

#### **Problems Fixed:**

Addressed an issue where the system iSCSI LUN might not be listed in RBSU One Time Boot Menu.

Addressed an issue where the system might RSOD after adding NVME-oF/TCP target in RBSU.

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Addressed an issue where the system OCP adapter's option ROM could not be disabled.

Addressed an issue where the system SED drives might not be listed in the RBSU Device Encryption Status page.

Addressed an issue where the system cannot boots up Intelligent Provisioning.

Addressed an issue where the system NS204i-u controller type might be shown as "Undefined" in the iLO Device Inventory.

Addressed an issue where the system logo might not be correctly located by SUM.

Addressed an issue where the system event message in IML and POST might include a wrong slot-ID when there is a PCIe link training issue in PCIe slot.

Addressed an issue where the system might RSOD when performing firmware update via Firmware Management Protocol.

Addressed an issue where the System ROM might report NVRAM corruption after loading system default settings.

Resolved an issue where the system could log incorrect battery events when it has controllers with a low battery charge installed.

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Addressed an issue where the system has no IML message pop up when setting EDPC to OS Control mode in Windows.

Addressed an issue where the system might have unexpected IML messages after flashing drive firmware.

Addressed an issue where Intel TSX could not be disabled via RBSU menu.

Addressed an issue where the system Server Name was not in sync with iLO after changing the Server Name in RBSU.

#### **Known Issues:**

None

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### **Driver - Network**

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HPE Broadcom NetXtreme-E Drivers for VMware vSphere 9.0

Version: 2025.03.00 (**Recommended**)

Filename: cp063771.compsig; cp063771.zip

#### **Important Note!**

- This component is intended to be used by HPE applications. It is a zip file that contains the same driver deliverable available from the vmware.com and the HPE vibsdepot.hpe.com webpages, plus an HPE specific CP0xxxxx.xml file.
- HPE recommends the *HPE 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:

- HPE Ethernet 10Gb 2-port 535FLR-T Adapter
- HPE Ethernet 10Gb 2-port 535T Adapter
- HPE Ethernet 10Gb 2-port 537SFP+ Adapter
- HPE Ethernet 10Gb 2-port 537SFP+ FLR Adapter
- HPE Ethernet 10/25Gb 2-port 631FLR-SFP28 Adapter
- HPE Ethernet 10/25Gb 2-port 631SFP28 Adapter
- HPE Ethernet 10Gb 2-port SFP+ BCM57412 OCP3 Adapter
- HPE Ethernet 10Gb 2-port SFP+ BCM57412 Adapter
- HPE Ethernet 10Gb 2-port BaseT BCM57416 OCP3 Adapter
- HPE Ethernet 10Gb 2-port BaseT BCM57416 Adapter
- HPE Ethernet 10/25Gb 2-port SFP28 BCM57414 OCP3 Adapter
- HPE Ethernet 10/25Gb 2-port SFP28 BCM57414 Adapter
- Broadcom BCM57504 Ethernet 10/25Gb 4-port SFP28 Adapter for HPE
- Broadcom BCM57504 Ethernet 10/25Gb 4-port SFP28 OCP3 Adapter for HPE
- Broadcom BCM57608 Ethernet 100Gb 2-port QSFP112 Adapter for HPE
- Broadcom BCM57608 Ethernet 100Gb 2-port QSFP112 OCP3 Adapter for HPE

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Intel icen Driver for VMware vSphere 9.0

Version: 2025.03.00 (**Recommended**)

Filename: cp065336.compsig; cp065336.zip

#### **Important Note!**

- This component is intended to be used by HPE applications. It is a zip file that contains the same driver deliverable available from the vmware.com and the HPE vibsdepot.hpe.com webpages, plus an HPE specific CP0xxxxx.xml file.
- HPE 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 for HPE
- Intel E810-CQDA2 Ethernet 100Gb 2-port QSFP28 OCP3 Adapter for HPE
- Intel E810-XXVDA4 Ethernet 10/25Gb 4-port SFP28 Adapter for HPE

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

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## Firmware - Network

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Broadcom Firmware Package for BCM5741x adapters

Version: 232.1.132.8 (**Recommended**)

Filename: bcm232.1.132.8.pup.fwpkg; bcm232.1.132.8.pup.json

### Important Note!

For Firmware installation, there is no OS and drivers dependency.

For Firmware compatibility during production, HPE 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
- HPE Broadcom NetXtreme-E Drivers for Linux, version 1.10.3-232.0.155.5 or later
- HPE 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:

- HPE Ethernet 10Gb 2-port SFP+ BCM57412 Adapter
- HPE Ethernet 10Gb 2-port SFP+ BCM57412 OCP3 Adapter
- HPE Ethernet 10Gb 2-port BaseT BCM57416 Adapter
- HPE Ethernet 10Gb 2-port BaseT BCM57416 OCP3 Adapter
- HPE Ethernet 10/25Gb 2-port SFP28 BCM57414 Adapter
- HPE Ethernet 10/25Gb 2-port SFP28 BCM57414 OCP3 Adapter

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Broadcom Firmware Package for BCM5750x adapters

Version: 232.1.132.8 (**Recommended**)

Filename: bcm232.1.132.8\_Thor.pup.fwpkg; bcm232.1.132.8\_Thor.pup.json

### Important Note!

For Firmware installation, there is no OS and drivers dependency.

For Firmware compatibility during production, HPE 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
- HPE Broadcom NetXtreme-E Drivers for Linux, version 1.10.3-232.0.155.5 or later
- HPE 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 for HPE
- Broadcom BCM57504 Ethernet 10/25Gb 4-port SFP28 OCP3 Adapter for HPE

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Broadcom Firmware Package for BCM57608 100GbE 2p Adapter

Version: 232.1.132.8 (B) **(Recommended)**

Filename: BCM232.1.132.8\_BCM957608-P2100HQF00.fwpkg; BCM232.1.132.8\_BCM957608-P2100HQF00.json

### **Important Note!**

For Firmware installation, there is no OS and drivers dependency.

For Firmware compatibility during production, HPE 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
- HPE Broadcom NetXtreme-E Drivers for Linux, version 1.10.3-232.0.155.5 or later
- HPE Broadcom NetXtreme-E Drivers for VMware, version 2025.03.00 or later

### **Enhancements**

Add new support platform.

### **Supported Devices and Features**

This product supports the following network adapters:

- Broadcom BCM57608 Ethernet 100Gb 2-port QSFP112 Adapter for HPE

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Broadcom Firmware Package for BCM57608 100GbE 2p OCP3 Adapter

Version: 232.1.132.8 (B) **(Recommended)**

Filename: BCM232.1.132.8\_BCM957608-N2100HQI00.fwpkg; BCM232.1.132.8\_BCM957608-N2100HQI00.json

### **Important Note!**

For Firmware installation, there is no OS and drivers dependency.

For Firmware compatibility during production, HPE 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
- HPE Broadcom NetXtreme-E Drivers for Linux, version 1.10.3-232.0.155.5 or later
- HPE Broadcom NetXtreme-E Drivers for VMware, version 2025.03.00 or later

### **Enhancements**

Add new support platform.

### **Supported Devices and Features**

This product supports the following network adapters:

- Broadcom BCM57608 Ethernet 100Gb 2-port QSFP112 OCP3 Adapter for HPE

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Broadcom NX1 Firmware Package for BCM5719 adapter

Version: 20.32.41 **(Recommended)**

Filename: BCM5719A1907HC-4x1G-14E4-1657-14E4-1591.fwpkg; BCM5719A1907HC-4x1G-14E4-1657-14E4-1591.json

### **Important Note!**

HPE recommends *HPE Broadcom tg3 Ethernet Drivers*, versions 3.139q or later, for use with this firmware.

### **Enhancements**

Initial release.

### **Supported Devices and Features**

This product supports the following network adapter:

- Broadcom BCM5719 Ethernet 1Gb 4-port Base-T Adapter for HPE

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Broadcom NX1 Firmware Package for BCM5719 OCP3 adapter

Version: 20.32.41 **(Recommended)**

Filename: BCM5719N1905HC-4x1G-14E4-1657-14E4-1590.fwpkg; BCM5719N1905HC-4x1G-14E4-1657-14E4-1590.json

### **Important Note!**

HPE recommends *HPE Broadcom tg3 Ethernet Drivers*, versions 3.139q or later, for use with this firmware.

### **Enhancements**

Initial release.

### **Supported Devices and Features**

This product supports the following network adapter:

- Broadcom BCM5719 Ethernet 1Gb 4-port Base-T OCP3 Adapter for HPE

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Intel Firmware Package For E810-2CQDA2 Ethernet 100Gb 2-port QSFP28 Adapter

Version: 4.60 (B) **(Recommended)**

Filename: HPE\_E810\_2CQDA2\_O\_SEC\_4p60\_PLDMoMCTP\_8001E8B6.fwpkg;

HPE\_E810\_2CQDA2\_O\_SEC\_4p60\_PLDMoMCTP\_8001E8B6.json

### **Important Note!**

For Firmware installation, there is no OS and drivers dependency.

For Firmware compatibility during production, HPE recommends the drivers for use with the firmware Package product as below,

- Intel icea Driver for Microsoft Windows Server, version 1.15.121.0 or later
- Intel ice Drivers for Linux, version 1.15.4-1 or later
- Intel icen Driver for VMware, version 2024.11.00 or later

This FW version does not support Port.Reset RDE metrics. This product will be enhance to improve the functions in the future release

### **Enhancements**

Add new support platform.

### **Supported Devices and Features**

This product supports the following network adapters:

- Intel E810-2CQDA2 Ethernet 100Gb 2-port QSFP28 Adapter for HPE

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Intel Firmware Package For E810-CQDA2 Ethernet 100Gb 2-port QSFP28 Adapter

Version: 4.60 (B) **(Recommended)**

Filename: HPE\_E810\_CQDA2\_4p60\_PLDMoMCTP\_8001E8B1.fwpkg; HPE\_E810\_CQDA2\_4p60\_PLDMoMCTP\_8001E8B1.json

### **Important Note!**

For Firmware installation, there is no OS and drivers dependency.

For Firmware compatibility during production, HPE recommends the drivers for use with the firmware Package product as below,

- Intel icea Driver for Microsoft Windows Server, version 1.15.121.0 or later
- Intel ice Drivers for Linux, version 1.15.4-1 or later

Intel icen Driver for VMware, version 2024.11.00 or later

This FW version does not support Port.Reset RDE metrics. This product will be enhance to improve the functions in the future release

### **Enhancements**

Add new support platform.

### **Supported Devices and Features**

This product supports the following network adapters:

- Intel E810-CQDA2 Ethernet 100Gb 2-port QSFP28 Adapter for HPE

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

Version: 4.60 (B) **(Recommended)**

Filename: HPE\_E810\_CQDA2\_OCP\_4p60\_NCsiwPLDMoMCTP\_8001E8B5.fwpkg;  
HPE\_E810\_CQDA2\_OCP\_4p60\_NCsiwPLDMoMCTP\_8001E8B5.json

### **Important Note!**

For Firmware installation, there is no OS and drivers dependency.

For Firmware compatibility during production, HPE recommends the drivers for use with the firmware Package product as below,

- Intel icea Driver for Microsoft Windows Server, version 1.15.121.0 or later
- Intel ice Drivers for Linux, version 1.15.4-1 or later
- Intel icen Driver for VMware, version 2024.11.00 or later

This FW version does not support Port.Reset RDE metrics. This product will be enhance to improve the functions in the future release

### **Enhancements**

Add new support platform.

### **Supported Devices and Features**

This product supports the following network adapters:

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

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Intel Firmware Package For E810-XXVDA2 Ethernet 10/25Gb 2-port SFP28 Adapter

Version: 4.60 (B) **(Recommended)**

Filename: HPE\_E810\_XXVDA2\_SD\_4p60\_PLDMoMCTP\_8001E8B3.fwpkg; HPE\_E810\_XXVDA2\_SD\_4p60\_PLDMoMCTP\_8001E8B3.json

### **Important Note!**

For Firmware installation, there is no OS and drivers dependency.

For Firmware compatibility during production, HPE recommends the drivers for use with the firmware Package product as below,

- Intel icea Driver for Microsoft Windows Server, version 1.15.121.0 or later
- Intel ice Drivers for Linux, version 1.15.4-1 or later
- Intel icen Driver for VMware, version 2024.11.00 or later

This FW version does not support Port.Reset RDE metrics. This product will be enhance to improve the functions in the future release

### **Enhancements**

Add new support platform.

### **Supported Devices and Features**

This product supports the following network adapters:

- Intel E810-XXVDA2 Ethernet 10/25Gb 2-port SFP28 Adapter for HPE



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Intel Firmware Package For E810-XXVDA2 Ethernet 10/25Gb 2-port SFP28 OCP3 Adapter

Version: 4.60 (B) **(Recommended)**

Filename: HPE\_E810\_XXVDA2\_SD\_OCP\_4p60\_NCSIwPLDMoMCTP\_8001E8B0.fwpkg;

HPE\_E810\_XXVDA2\_SD\_OCP\_4p60\_NCSIwPLDMoMCTP\_8001E8B0.json

### **Important Note!**

For Firmware installation, there is no OS and drivers dependency.

For Firmware compatibility during production, HPE recommends the drivers for use with the firmware Package product as below,

- Intel icea Driver for Microsoft Windows Server, version 1.15.121.0 or later
- Intel ice Drivers for Linux, version 1.15.4-1 or later
- Intel icen Driver for VMware, version 2024.11.00 or later

This FW version does not support Port.Reset RDE metrics. This product will be enhance to improve the functions in the future release

### **Enhancements**

Add new support platform.

### **Supported Devices and Features**

This product supports the following network adapters:

- Intel E810-XXVDA2 Ethernet 10/25Gb 2-port SFP28 OCP3 Adapter for HPE

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Intel Firmware Package For E810-XXVDA4 Ethernet 10/25Gb 4-port SFP28 Adapter

Version: 4.60 (B) **(Recommended)**

Filename: HPE\_E810\_XXVDA4\_FH\_4p60\_PLDMoMCTP\_8001E8B2.fwpkg; HPE\_E810\_XXVDA4\_FH\_4p60\_PLDMoMCTP\_8001E8B2.json

### **Important Note!**

For Firmware installation, there is no OS and drivers dependency.

For Firmware compatibility during production, HPE recommends the drivers for use with the firmware Package product as below,

- Intel icea Driver for Microsoft Windows Server, version 1.15.121.0 or later
- Intel ice Drivers for Linux, version 1.15.4-1 or later
- Intel icen Driver for VMware, version 2024.11.00 or later

This FW version does not support Port.Reset RDE metrics. This product will be enhance to improve the functions in the future release

### **Enhancements**

Add new support platform.

### **Supported Devices and Features**

This product supports the following network adapters:

- Intel E810-XXVDA4 Ethernet 10/25Gb 4-port SFP28 Adapter for HPE

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Intel Firmware Package For E810-XXVDA4 Ethernet 10/25Gb 4-port SFP28 OCP3 Adapter

Version: 4.60 (B) **(Recommended)**

Filename: HPE\_E810\_XXV4\_OCP\_4p60\_NCSIwPLDMoMCTP\_8001E8AF.fwpkg;

HPE\_E810\_XXV4\_OCP\_4p60\_NCSIwPLDMoMCTP\_8001E8AF.json

### **Important Note!**

For Firmware installation, there is no OS and drivers dependency.

For Firmware compatibility during production, HPE recommends the drivers for use with the firmware Package product as below,

- Intel icea Driver for Microsoft Windows Server, version 1.15.121.0 or later
- Intel ice Drivers for Linux, version 1.15.4-1 or later
- Intel icen Driver for VMware, version 2024.11.00 or later

This FW version does not support Port.Reset RDE metrics. This product will be enhance to improve the functions in the future release

## **Enhancements**

Add new support platform.

## **Supported Devices and Features**

This product supports the following network adapters:

- Intel E810-XXVDA4 Ethernet 10/25Gb 4-port SFP28 OCP3 Adapter for HPE

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

Version: 26.43.1014 **(Recommended)**

Filename: 26\_43\_1014-MCX631102AS-ADA\_Ax.pldm.fwpkg; 26\_43\_1014-MCX631102AS-ADA\_Ax.pldm.json

## **Important Note!**

**Disclaimer:** Certain software including drivers and documents may be available from NVIDIA. If you select a URL that directs you to <http://www.nvidia.com/>, you are then leaving HPE.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. HPE is not responsible for your use of any software or documents that you download from <http://www.nvidia.com/>, except that HPE may provide a limited warranty for NVIDIA software in accordance with the terms and conditions of your purchase of the HPE product or solution.

A list of known issues with this release is available

at: <https://docs.nvidia.com/networking/display/connectx6lxfirmwarev26431014/known+issues>

## **Prerequisites**

FWPKG will work only if the firmware version flashed on the adapter is 20.27.1016 or later and iLO5 firmware version must be 2.30 or higher.

## **Fixes**

**The following issues have been fixed in version 26.43.1014:**

- Setup crash would occur when create\_sq used invalid mbox. Now the invalid mbox is replaced with a valid DB.
- Fixed the query for FACTORY default NV configuration values. The firmware always returned the "next" value to be applied.

## **Enhancements**

Security Hardening Enhancements: This release contains important reliability improvements and security hardening enhancements. HPE 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

HPE Part Number	Mellanox Ethernet Only Adapters	PSID
P42044-B21	Mellanox MCX631102AS-ADAT Ethernet 10/25Gb 2-port SFP28 Adapter for HPE	MT_0000000575

Mellanox Firmware Package (FWPKG) - Mellanox MCX631432AS-ADAI Ethernet 10/25Gb 2-port SFP28 OCP3 Adapter for HPE  
Version: 26.43.1014 **(Recommended)**  
Filename: 26\_43\_1014-MCX631432AS-ADA\_Ax.pldm.fwpkg; 26\_43\_1014-MCX631432AS-ADA\_Ax.pldm.json

## Important Note!

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A list of known issues with this release is available

at: <https://docs.nvidia.com/networking/display/connectx6lxfirmwarev26431014/known+issues>

## Prerequisites

FWPKG will work only if the firmware version flashed on the adapter is 20.27.1016 or later and iLO5 firmware version must be 2.30 or higher.

## Fixes

**The following issues have been fixed in version 26.43.1014:**

- Setup crash would occur when create\_sq used invalid mbox. Now the invalid mbox is replaced with a valid DB.
- Fixed the query for FACTORY default NV configuration values. The firmware always returned the "next" value to be applied.

## Enhancements

Security Hardening Enhancements: This release contains important reliability improvements and security hardening enhancements. HPE 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

HPE Part Number	Mellanox Ethernet Only Adapters	PSID
P42041-B21	Mellanox MCX631432AS-ADAI Ethernet 10/25Gb 2-port SFP28 OCP3 Adapter for HPE	MT_0000000551

Mellanox Firmware Package (FWPKG) for Mellanox MCX623106AS-CDAT Ethernet 100Gb 2-port QSFP56 Adapter for HPE

Version: 22.43.1014 (**Recommended**)

Filename: 22\_43\_1014-MCX623106AS-CDA\_Ax.pldm.fwpkg; 22\_43\_1014-MCX623106AS-CDA\_Ax.pldm.json

## Important Note!

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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. HPE 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**

HPE Part Number	Mellanox Ethernet Only Adapters	PSID
P25960-B21	Mellanox MCX623106AS-CDAT Ethernet 100Gb 2-port QSFP56 Adapter for HPE	MT_0000000437

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Mellanox Firmware Package(FWPKG) for HPE NV60025M Ethernet 10/25Gb 2-port Secure Network Adapter

Version: 26.43.1014 **(Recommended)**

Filename: 26\_43\_1014-S2A69-63001\_Ax\_header.pldm.fwpkg

### **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.

### **Enhancements**

Upgraded to version 26.43.1014

## **Supported Devices and Features**

HPE Part Number	Mellanox Ethernet Only Adapters	PSID
P46603-B21	HPE NV60025M Ethernet 10/25Gb 2-port Secure Network Adapter	HPE0000000062

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Mellanox Firmware Package(FWPKG) for HPE NV60100M 100Gb 2-port Storage Offload Adapter

Version: 22.43.1014 **(Recommended)**

Filename: 22\_43\_1014-R8M41-63001\_Ax\_header.pldm.fwpkg

### **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.

### **Enhancements**

## Supported Devices and Features

HPE Part Number	Mellanox Ethernet Only Adapters	PSID
P46603-B21	HPE NV60100M 100Gb 2-port Storage Offload Adapter	HPE0000000062

NVIDIA Firmware Package (FWPKG) for HPE InfiniBand NDR/Ethernet 400Gb 1-port OSFP PCIe5 x16 MCX75310AAS-NEAT Adapter : HPE part numbers P45641-B23 and P45641-H23  
Version: 28.44.1036 **(Recommended)**  
Filename: 28\_44\_1036-MCX75310AAS-NEAT\_HPE2\_Ax.pldm.fwpkg; 28\_44\_1036-MCX75310AAS-NEAT\_HPE2\_Ax.pldm.json

### Important Note!

For PLDM enabled VPI (Virtual Protocol Interconnect) adapters supporting both InfiniBand mode and Ethernet modes, every firmware version is made available in two different formats at HPE.com:

1. HPE 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.

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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

HPE Part Number	Mellanox InfiniBand Only Adapter	PSID
P45641-B23	HPE InfiniBand NDR/Ethernet 400Gb 1-port OSFP PCIe5 x16 MCX75310AAS-NEAT Adapter (P45641-B23 and P45641-H23)	MT_0000001120

NVIDIA Firmware Package (FWPKG) for HPE InfiniBand NDR200/Ethernet 200Gb 1-port OSFP PCIe5 x16 MCX75310AAS-HEAT Adapter :  
HPE part numbers P45642-B22 and P45642-H22

Version: 28.44.1036 **(Recommended)**

Filename: 28\_44\_1036-MCX75310AAS-HEAT\_HPE2\_Ax.pldm.fwpkg; 28\_44\_1036-MCX75310AAS-HEAT\_HPE2\_Ax.pldm.json

### **Important Note!**

For PLDM enabled VPI (Virtual Protocol Interconnect) adapters supporting both InfiniBand mode and Ethernet modes, every firmware version is made available in two different formats at HPE.com:

1. HPE 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.

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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**

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HPE Part Number	Mellanox InfiniBand Only Adapter	PSID
P45642-B22	HPE InfiniBand NDR200/Ethernet 200Gb 1-port OSFP PCIe5 x16 MCX75310AAS-HEAT Adapter (P45642-B22 and P45642-H22)	MT_0000001119

NVIDIA Firmware Package (FWPKG) for HPE InfiniBand NDR200/Ethernet 200GbE 2-port QSFP112 PCIe5 x16 MCX755106AC-HEAT Adapter : HPE part numbers P65333-B21 and P65333-H21

Version: 28.44.1036 (**Recommended**)

Filename: 28\_44\_1036-MCX755106AC-HEAT\_HPE\_Ax.pldm.fwpkg; 28\_44\_1036-MCX755106AC-HEAT\_HPE\_Ax.pldm.json

### **Important Note!**

For PLDM enabled VPI (Virtual Protocol Interconnect) adapters supporting both InfiniBand mode and Ethernet modes, every firmware version is made available in two different formats at HPE.com:

1. HPE 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.

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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**

HPE Part Number	Mellanox InfiniBand Only Adapter	PSID
P65333-B21	HPE InfiniBand NDR200/Ethernet 200GbE 2-port QSFP112 PCIe5 x16 MCX755106AC-HEAT Adapter (P65333-B21 and P65333-H21)	MT_0000001108



## Firmware - Storage Controller

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Firmware Package - HPE Gen11 Boot Controller NS204i-u, NS204i-d and HPE Gen10 Plus Boot Controller NS204i-p, NS204i-d, NS204i-t, NS204i-r

Version: 1.2.14.1018 (C) **(Recommended)**

Filename: HPE\_NS204i\_Gen10p\_Gen11\_1.2.14.1018\_C.fwpkg; HPE\_NS204i\_Gen10p\_Gen11\_1.2.14.1018\_C.json

### **Important Note!**

**1.2.14.1018 is the minimum firmware requirement for AMD Turin DL365/385 and Intel Gen12 platforms. Downgrading NS204i firmware to version lower than 1018 will lead to MCTP failure.**

**For Gen10 plus 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. Please find the smart component versions of 1.0.14.1063 in below link:**

- Windows: <https://www.hpe.com/global/swpublishing/MTX-be195b2891724ec8bb72c8bb2>
- Linux: <https://www.hpe.com/global/swpublishing/MTX-269e14d0e2524277bf699f433>
- Vmware: <https://www.hpe.com/global/swpublishing/MTX-1ffaca997cf248cd9f832a04c6>

### **Prerequisites**

- iLO 6 version 1.10 or later is required for Gen11 servers.
- iLO 5 version 2.81 or later is required for Gen10/Gen10 Plus servers

### **Enhancements**

- Support new servers.

---

Firmware Package - HPE MR216i-o Gen11 Tri Mode Controller

Version: 52.30.3-5917 (B) **(Recommended)**

Filename: HPE\_MR216i-o\_Gen11\_52.30.3-5917\_B.fwpkg; HPE\_MR216i-o\_Gen11\_52.30.3-5917\_B.json

### **Important Note!**

- **This firmware version to be used on HPE MR216i-o Gen11 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 Gen12 servers.

---

Firmware Package - HPE MR216i-p Gen11 Tri Mode Controller

Version: 52.30.3-5917 (B) **(Recommended)**

Filename: HPE\_MR216i-p\_Gen11\_52.30.3-5917\_B.fwpkg; HPE\_MR216i-p\_Gen11\_52.30.3-5917\_B.json

### **Important Note!**

- **This firmware version to be used on HPE MR216i-p Gen11 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 Gen12 servers.

---

Firmware Package - HPE MR408i-o Gen11 Tri Mode Controller

Version: 52.30.3-5917 (B) **(Recommended)**

Filename: HPE\_MR408i-o\_Gen11\_52.30.3-5917\_B.fwpkg; HPE\_MR408i-o\_Gen11\_52.30.3-5917\_B.json

### **Important Note!**

- **This firmware version to be used on HPE MR408i-o Gen11 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 Gen12 servers.

---

Firmware Package - HPE MR408i-p Gen11 Tri Mode Controller

Version: 52.30.3-5917 (B) **(Recommended)**

Filename: HPE\_MR408i-p\_Gen11\_52.30.3-5917\_B.fwpkg; HPE\_MR408i-p\_Gen11\_52.30.3-5917\_B.json

### **Important Note!**

- **This firmware version to be used on HPE MR408i-p Gen11 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 Gen12 servers.

---

Firmware Package - HPE MR416i-o Gen11 Tri Mode Controller

Version: 52.30.3-5917 (B) **(Recommended)**

Filename: HPE\_MR416i-o\_Gen11\_52.30.3-5917\_B.fwpkg; HPE\_MR416i-o\_Gen11\_52.30.3-5917\_B.json

### **Important Note!**

- **This firmware version to be used on HPE MR416i-o Gen11 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 Gen12 servers.

---

Firmware Package - HPE MR416i-p Gen11 Tri Mode Controller

Version: 52.30.3-5917 (B) **(Recommended)**

Filename: HPE\_MR416i-p\_Gen11\_52.30.3-5917\_B.fwpkg; HPE\_MR416i-p\_Gen11\_52.30.3-5917\_B.json

### **Important Note!**

- **This firmware version to be used on HPE MR416i-p Gen11 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 Gen12 servers.

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

Version: 14.4.473.14 **(Recommended)**

Filename: PP14.4.473.14\_header.pldm.fwpkg

### **Important Note!**

This Firmware package contains following firmware versions:

Adapter	Speed	Universal Boot Image	Firmware	UEFI	Boot Bios
HPE SN1620E 32Gb Dual Port Fibre Channel Host Bus Adapter	32Gb	14.4.473.14	14.4.473.14	14.4.473.8	14.4.469.0
HPE SN1720E 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 Firmware package contains following firmware versions:

Adapter	Speed	Universal Boot Image	Firmware	UEFI	Boot Bios
HPE SN1620E 32Gb Dual Port Fibre Channel Host Bus Adapter	32Gb	14.4.473.14	14.4.473.14	14.4.473.8	14.4.469.0
HPE SN1720E 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**

This component is supported on following Emulex Fibre Channel Host Bus adapters:

#### **32Gb FC Adapter:**

- HPE SN1620E 32Gb Dual port Fibre Channel Host Bus Adapter

#### **64Gb FC Adapter:**

- HPE SN1720E 64Gb Dual port Fibre Channel Host Bus Adapter

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

Version: 02.10.08 **(Recommended)**

Filename: mh021008.upd\_header.pldm.fwpkg

### **Important Note!**

Release Notes:

[HPE QLogic Adapters Release Notes](#)

This Firmware package contains following firmware versions:

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

HPE SN1700Q 64Gb Single Port Fibre Channel Host Bus Adapter	64Gb	02.10.08	09.15.05	7.39	0.0
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## **Supported Devices and Features**

This component is supported on following HPE QLogic Fibre Channel Host Bus adapters:

### **32Gb Fibre Channel Host Bus Adapter:**

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

### **64Gb Fibre Channel Host Bus Adapter:**

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

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## **Software - Storage Controller**

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HPE MegaRAID Storage Administrator StorCLI for VMware9.0 (For Gen10P and Gen11 Controllers)

Version: 2025.01.01 **(Recommended)**

Filename: cp064599.compsig; cp064599.zip

### **Important Note!**

- Actual ESXi Version is 007.3011.0000.0000

## **Enhancements**

- Initial release.

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## **Software - Storage Fibre Channel**

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HPE QLogic Fibre Channel driver component for VMware vSphere 9.0

Version: 2025.03.01 **(Recommended)**

Filename: cp064285.compsig; cp064285.zip

### **Important Note!**

This component is supported only on Gen12 ProLiant servers.

Release Notes:

[HPE QLogic Adapters Release Notes](#)

This component is intended to be used by HPE applications. It is a zip that contains the same driver deliverable available from the vmware.com and the HPE vibstdepot.hpe.com webpages, plus an HPE specific CPXXXX.xml file.  
This driver is only supported on VMware ESXi 9.0.

## **Prerequisites**

Please consult SPOCK for a list of supported configurations available at the following link:

<http://www.hpe.com/storage/spock/>

## **Enhancements**

Driver version 5.4.83.1

This driver is only supported on VMware ESXi 9.0

## **Supported Devices and Features**

This component is supported on following QLogic Fibre Channel Host Bus adapters:

### **32Gb Fibre Channel Host Bus Adapter:**

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

### **64Gb Fibre Channel Host Bus Adapter:**

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

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## Software - System Management

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HPE Agentless Management Bundle for ESXi for Gen11 and Gen12 Servers

Version: 802.12.1.0 **(Recommended)**

Filename: amsdvComponent\_802.12.1.0.25-1\_24627551.zip

### **Fixes**

See the [AMS Release Notes](#) for information about the issues resolved in this release.

### **Enhancements**

See the [AMS Release Notes](#) for information about the enhancements in this release.

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HPE Agentless Management Bundle Smart Component on ESXi for Gen11 and Gen12 Servers

Version: 2025.03.01 **(Recommended)**

Filename: cp064726.compsig; cp064726.zip

### **Prerequisites**

#### **For HPE servers with iLO 7:**

Ensure that the iLO Virtual NIC(VNIC) feature is enabled. Please refer to the HPE iLO User Guide for VNIC configuration procedure

### **Fixes**

See the [AMS Release Notes](#) for information about the issues resolved in this release.

### **Enhancements**

See the [AMS Release Notes](#) for information about the enhancements in this release.

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