

## 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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## Gen10 SPP 2026.05.00.00 Release Notes for VMware ESXi 9.0 and 9.1

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### Driver - Network

HPE Broadcom NetXtreme-E Drivers for VMware vSphere 9.1

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Version: 2026.03.00 (**Recommended**)

Filename: cp070844.compsig; cp070844.zip

#### Important Note!

- o 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 vib depot.hpe.com webpages, plus an HPE specific CP0xxxxx.xml file.
- o HPE recommends the *HPE Broadcom NetXtreme-E Firmware Version, 235.1.160000* or later, for use with this driver.

#### Enhancements

Initial version

#### Supported Devices and Features

This product supports the following network adapters:

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

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HPE Intel i40en Driver for VMware vSphere 9.1

Version: 2026.03.00 (**Recommended**)

Filename: cp070845.compsig; cp070845.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 vib depot.hpe.com webpages, plus an HPE specific CP0xxxxx.xml file.

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

#### Enhancements

Initial version

#### Supported Devices and Features

This product supports the following network adapters:

- o HPE Ethernet 1Gb 2-port 368FLR-MMT Adapter
- o HPE Ethernet 1Gb 2-port 368i Adapter
- o HPE Ethernet 1Gb 4-port 369i Adapter
- o HPE Ethernet 10Gb 2-port 562FLR-SFP+ Adapter
- o HPE Ethernet 10Gb 2-port 562SFP+ Adapter
- o HPE Ethernet 10Gb 2-port 563i Adapter
- o HPE Ethernet 10Gb 2-port 568FLR-MMSFP+ Adapter
- o HPE Ethernet 10Gb 2-port 568FLR-MMT Adapter
- o HPE Ethernet 10Gb 2-port 568i Adapter
- o HPE Ethernet 10Gb 2-port SFP+ OCP3 X710-DA2 Adapter
- o HPE Ethernet 10Gb 2-port SFP+ X710-DA2 Adapter

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HPE Intel igbn Driver for VMware vSphere 9.1

Version: 2026.03.00 (**Recommended**)  
Filename: cp070846.compsig; cp070846.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 *HPE Intel Online Firmware Upgrade Utility for VMware*, version 3.26.1 or later, for use with this driver.

### **Enhancements**

Initial version

### **Supported Devices and Features**

These drivers support the following network adapters:

- o HPE Ethernet 1Gb 2-port 361T Adapter
- o HPE Ethernet 1Gb 2-port 361i Adapter
- o HPE Ethernet 1Gb 2-port 363i Adapter
- o HPE Ethernet 1Gb 4-port 366FLR Adapter
- o HPE Ethernet 1Gb 4-port 366T Adapter
- o HPE Ethernet 1Gb 4-port 366i Adapter
- o HPE Ethernet 1Gb 4-port 366i Communication Board
- o Intel I350-T4 Ethernet 1Gb 4-port BASE-T Adapter for HPE
- o Intel I350-T4 Ethernet 1Gb 4-port BASE-T OCP3 Adapter for HPE
- o Intel(R) I350 Gigabit Network Connection

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HPE Intel ixgben Driver for VMware vSphere 9.1  
Version: 2026.03.00 (**Recommended**)  
Filename: cp070841.compsig; cp070841.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.

- o HPE recommends the firmware provided in *HPE Intel Online Firmware Upgrade Utility for VMware*, version 3.27.0 or later, for use with this driver.
- o HPE recommends the firmware provided in *Intel Firmware Package For E610-IT4 Ethernet 1Gb 4-port BASE-T OCP3 Adapter*, version 1.22 or later, for use with this driver

### **Enhancements**

Initial version

### **Supported Devices and Features**

These drivers support the following network adapters:

- o HPE Ethernet 10Gb 2-port 560SFP+ Adapter
- o HPE Ethernet 10Gb 2-port 560FLR-SFP+ Adapter
- o HPE Ethernet 10Gb 2-port 561T Adapter
- o HPE Ethernet 10Gb 2-port 561FLR-T Adapter
- o HPE Ethernet 10Gb 2-port 562T Adapter
- o HPE Ethernet 10Gb 2-port 562FLR-T Adapter
- o Intel E610-IT4 Ethernet 1Gb 4-port BASE-T OCP3 Adapter for HPE

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HPE QLogic FastLinQ 10/25/50 GbE Multifunction Driver for VMware vSphere 9.1  
Version: 2026.03.00 (**Recommended**)  
Filename: cp070842.compsig; cp070842.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 as below for use with these drivers,

- o HPE QLogic FastLinQ Firmware Package for Arrowhead adapters, version 8.65.23 or later.
- o HPE QLogic FastLinQ Online Firmware Upgrade Utility for VMware, version 4.20.0 or later.

### **Enhancements**

Initial version

### **Supported Devices and Features**

This product supports the following network adapters:

- o HPE Ethernet 10Gb 2-port 521T Adapter
- o HPE Ethernet 10Gb 2-port 524SFP+ Adapter
- o HPE Ethernet 10/25Gb 2-port 621SFP28 Adapter
- o HPE Ethernet 10/25Gb 2-port 622FLR-SFP28 Converged Network Adapter
- o HPE StoreFabric CN1200R-T Converged Network Adapter
- o HPE StoreFabric CN1300R Converged Network Adapter
- o HPE Ethernet 10/25Gb 2-port SFP28 QL41232HVCU OCP3 Adapter
- o HPE Ethernet 10/25Gb 2-port SFP28 QL41232HLCU Adapter

- o HPE Ethernet 10Gb 4-port SFP+ QL41134HLCU Adapter
- o HPE Ethernet 10Gb 2-port BaseT QL41132HLRJ Adapter
- o HPE Ethernet 10Gb 2-port BaseT QL41132HQRJ OCP3 Adapter
- o HPE Ethernet 10Gb 2-port SFP+ QL41132HQCUC OCP3 Adapter
- o HPE Ethernet 10Gb 2-port SFP+ QL41132HLCU Adapter

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HPE QLogic NX2 10/20 GbE Multifunction Driver for VMware vSphere 9.1  
Version: 2026.03.00 (**Recommended**)  
Filename: cp070843.compsig; cp070843.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 *HPE QLogic NX2 Online Firmware Upgrade Utility for VMware*, version 1.37.0 or later, for use with this driver.

#### **Enhancements**

Initial version

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

These drivers support the following network adapters:

- o HPE Ethernet 10Gb 2-port 530T Adapter
- o HPE Ethernet 10Gb 2-port 530SFP+ Adapter
- o HPE FlexFabric 10Gb 2-port 533FLR-T Adapter
- o HPE FlexFabric 10Gb 2-port 534FLR-SFP+ Adapter
- o HPE FlexFabric 10Gb 4-port 536FLR-T Adapter

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Intel icen Driver for VMware vSphere 9.1  
Version: 2026.03.00 (**Recommended**)  
Filename: cp070840.compsig; cp070840.zip

#### **Important Note!**

- o 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.
- o HPE recommends the firmware provided in *Intel Firmware Package For E810 Ethernet Adapter*, version 4.91 or later, for use with these drivers.

#### **Enhancements**

Initial version

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

This product supports the following network adapters:

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

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net-mst kernel module driver component for VMware ESXi 9uX  
Version: 2026.02.23 (**Recommended**)  
Filename: cp070987.compsig; cp070987.zip

#### **Important Note!**

This component is intended to be used by HPE applications. It is a zip that contains the same driver deliverable available from the HPE vibsdepot.hpe.com webpage, plus an HPE specific CPXXXX.xml file.

#### **Prerequisites**

NA

#### **Fixes**

##### **Fixes for NMST- 4.34.1.11:**

- o Fixed memory leak issue in mlxlink. It caused the process's memory usage to continuously increase until it is eventually killed by the out-of-memory (OOM) killer. Memory is now correctly freed at the end of each execution.

#### **Enhancements**

NMST version 4.34.1.11

## Supported Devices and Features

HPE Part Number	Device Name	PSID
764282-B21	HPE InfiniBand QDR/Ethernet 10Gb 2-port 544+M Adapter	HP_1350110023
764283-B21	HPE InfiniBand FDR/Ethernet 10Gb/40Gb 2-port 544+M Adapter	HP_1360110017
764284-B21	HPE InfiniBand FDR/Ethernet 10Gb/40Gb 2-port 544+QSFP Adapter	HP_1370110017
P24837-B21	HPE Ethernet 10/25Gb 2-port 642SFP28 Adapter	HPE0000000054
P11338-B21	HPE Ethernet 10Gb 2-port 548SFP+ Adapter	HP_1200111023
764285-B21	HPE InfiniBand FDR/Ethernet 10Gb/40Gb 2-port 544+FLR-QSFP Adapter	HP_1380110017
764286-B21	HPE InfiniBand QDR/Ethernet 10Gb 2-port 544+FLR-QSFP Adapter	HP_1390110023
825110-B21	HPE InfiniBand EDR/Ethernet 100Gb 1-port 840QSFP28 Adapter	HP_2180110032
825111-B21	HPE InfiniBand EDR/Ethernet 100Gb 2-port 840QSFP28 Adapter	HP_2190110032
872726-B21	HPE InfiniBand EDR/Ethernet 100Gb 2-port 841QSFP28 Adapter	HPE0000000009
879482-B21	HPE InfiniBand FDR/Ethernet 40/50Gb 2-port 547FLR-QSFP Adapter	HPE0000000022
868779-B21	HPE Synergy 6410C 25/50Gb Ethernet Adapter	HPE0000000006
779793-B21	HPE Ethernet 10Gb 2-port 546SFP+ Adapter	HP_1200111023
779799-B21	HPE Ethernet 10Gb 2-port 546FLR-SFP+ Adapter	HP_2240110004
817749-B21	HPE Ethernet 25Gb 2-port 640FLR-SFP Adapter	HP_2690110034
817753-B21	HPE Ethernet 25Gb 2-port 640SFP28 Adapter	HP_2420110034
P21927-B21	HPE Ethernet 100Gb 2-port QSFP28 MCX516A-CCHT Adapter	MT_0000000417
P10112-B21	HPE Ethernet 10/25Gb 2-port SFP28 MCX562A-ACAI OCP3 Adapter	MT_0000000241
P13188-B21	HPE Ethernet 10/25Gb 2-port SFP28 MCX512F-ACHT Adapter	MT_0000000416
P11341-B21	HPE Ethernet 10Gb 2-port SFP+ MCX4621A-ACAB OCP3 Adapter	MT_0000000238
P21930-B21	HPE Ethernet 10Gb 2-port SFP+ MCX4121A-XCHT Adapter	MT_0000000414
874253-B21	HPE Ethernet 100Gb 1-port 842QSFP28 Adapter	HPE0000000014
P25960-B21	HPE Ethernet 100Gb 2-Port QSFP56 MCX623106AS-CDAT Adapter	MT_0000000437
P06154-B21	HPE InfiniBand HDR/Ethernet 200Gb 1-port 940QSFP56 x16 Adapter	HPE0000000034
P06250-B21	HPE InfiniBand HDR100/Ethernet 100Gb 1-port 940QSFP56 x16 Adapter	HPE0000000035
P06251-B21	HPE InfiniBand HDR100/Ethernet 100Gb 2-port 940QSFP56 x16 Adapter	HPE0000000036
P23664-B21	HPE InfiniBand HDR/Ethernet 200Gb 1-port MCX653105A-HDAT QSFP56 x16 Adapter	MT_0000000451
P23665-B21	HPE InfiniBand HDR100/Ethernet 100Gb 1-port MCX653105A-ECAT QSFP56 x16 Adapter	MT_0000000452
P23666-B21	HPE InfiniBand HDR100/Ethernet 100Gb 2-port MCX653106A-ECAT QSFP56 x16 Adapter	MT_0000000453
P10180-B21	Mellanox MCX623105AS-VDAT Ethernet 200Gb 1-port QSFP56 Adapter for HPE	MT_0000000435
P31246-B21	HPE Ethernet 100Gb 1-port QSFP28 PCIe3 x16 MCX515A-CCAT Adapter	MT_0000000591
P31323-B21	HPE InfiniBand HDR/Ethernet 200Gb 1-port QSFP56 PCIe4 x16 OCP3 MCX653435A-HDAI Adapter	MT_0000000592
P31348-B21	HPE InfiniBand HDR/Ethernet 200Gb 2-port QSFP56 PCIe4 x16 OCP3 MCX653436A-HDAI Adapter	MT_0000000593
P31324-B21	HPE InfiniBand HDR/Ethernet 200Gb 2-port QSFP56 PCIe4 x16 MCX653106A-HDAT Adapter	MT_0000000594
P42041-B21	Mellanox MCX631432AS-ADAI Ethernet 10/25Gb 2-port SFP28 OCP3 Adapter for HPE	MT_0000000551
P42044-B21	Mellanox MCX631102AS-ADAT Ethernet 10/25Gb 2-port SFP28 Adapter for HPE	MT_0000000575

## Firmware - Network

Broadcom NX1 Online Firmware Upgrade Utility for VMware  
Version: 1.43.0 (B) **(Recommended)**  
Filename: CP070621.compsig; CP070621.zip

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### Important Note

This software package contains combo image v20.35.41 with the following firmware versions:

NIC	Boot Code Version	PXE Version	NCSI Version	UEFI Version
BCM 5719 1GbE 4p BASE-T Adptr	1.64	21.6.4	1.5.65	21.6.92
BCM 5719 1GbE 4p BASE-T OCP3 Adptr	1.64	21.6.4	1.5.65	21.6.92
BCM 5719 1GbE 4p BASE-T LOM Adptr	1.64	21.6.4	1.5.65	21.6.92
BCM 5720 1GbE 2p BASE-T LOM Adptr	1.43	21.6.4	1.5.65	21.6.92

### Prerequisites

This product requires the appropriate driver for your device and operating system to be installed before the firmware is updated.

### Fixes

- o This product fixes the issue where unique serial number in VPD (Vital Product Data) will be altered to a dummy serial number.
- o This product fixes the issue where Failing to Obtain iLO shared NIC DHCP IP and MCTP EID Missing during Reboot.
- o This product fixes the issue where PCI Temperature sensor might be missing intermittently causing Increase in Fan Speed

### Enhancements

Added ESXi 9.1 Supported Environment

### **Supported Devices and Features**

This product supports the following network adapters:

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

HPE Broadcom NetXtreme-E Online Firmware Upgrade Utility for VMware  
Version: 5.27.5 (B) (**Recommended**)  
Filename: CP070517.compsig; CP070517.zip

### **Important Note!**

HPE recommends *HPE Broadcom NetXtreme-E Drivers for VMware*, versions 2025.11.00 or later, for use with this firmware.

This software package contains NVM Image version 235.1.164014 with the following firmware versions:

NIC	Bootcode Version	NCSI Version	MBA Version	UEFI Version	RoCE Version
HPE Ethernet 10Gb 2-port 535FLR-T Adapter	235.1.164.2	235.1.164.2	235.1.164.12	235.1.164.12	235.1.164.2
HPE Ethernet 10Gb 2-port 535T Adapter					
HPE Ethernet 10/25Gb 2-port 631FLR-SFP28 Adapter					
HPE Ethernet 10/25Gb 2-port 631SFP28 Adapter					
HPE Ethernet 10Gb 2-port 537SFP+ Adapter					
HPE Ethernet 10Gb 2-port 537SFP+ FLR Adapter					

### **Prerequisites**

This product requires the appropriate driver for your device and operating system be installed before firmware is updated.

### **Fixes**

- o This product fixes the issue where the firmware version details failed to update and the card showed as not operational after upgrading BCM5741x adapters
- o This product fixes the issue where failed to detect a 10GBASE-LR SFP+ causing incorrect defaults and a link failure.
- o This product fixes the issue where iLO BMC shared IP on OCP NIC, link flap occurred during OS reboot.
- o This product fixes the issue where the adapter is unable to establish link after rebooting when using the "HPE 10GBASE-T SFP+ 30m RJ45 Transceiver" HPE PN 813874-B21 with vendor PN SP7053-HPE.
- o This product fixed the issue where the System cannot power on and IML log shows Critical Temperature Threshold Exceeded.
- o This product fixed the issue where NICs with LR cables and transceivers showing SR mode.
- o This product fixed the issue where PCIe Negotiated Link Width is displaying as x4 instead of x8.
- o This product fixes the issue where the Firmware update failed on BCM57416 4 MB flash cards .

### **Enhancements**

Added ESXi 9.1 Supported Environment

### **Supported Devices and Features**

This product supports the following network adapters:

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

HPE Broadcom NetXtreme-E Online Firmware Upgrade Utility for VMware  
Version: 226.1.107000 (C) (**Recommended**)  
Filename: CP070640.compsig; CP070640.zip

### **Important Note!**

HPE recommends *HPE Broadcom NetXtreme-E Drivers for VMware*, versions 2023.09.00 or later, for use with this firmware.

This software package contains NVM Image version 226.1.107000 with the following firmware versions:

NIC	Bootcode Version	NCSI Version	MBA Version	UEFI Version	RoCE Version
HPE Ethernet 10Gb 2-port 535FLR-T Adapter	226.0.145.0	226.0.145.0	226.0.135.0	226.0.135.0	226.0.145.0
HPE Ethernet 10Gb 2-port 535T Adapter					
HPE Ethernet 10/25Gb 2-port 631FLR-SFP28 Adapter					
HPE Ethernet 10/25Gb 2-port 631SFP28 Adapter					

HPE Ethernet 10Gb 2-port 537SFP+ Adapter
HPE Ethernet 10Gb 2-port 537SFP+ FLR Adapter

### Prerequisites

This product requires the appropriate driver for your device and operating system be installed before firmware is updated.

### Fixes

- o This product addressed the NC-SI passthrough algorithm for some FRU-reading commands from platform side.
- o This product addressed the packet forwarding rule while receiving packet which is bigger than 9600 jumbo size.
- o This product addressed the link failure under FreeBSD OS after changing link speed.
- o This product addressed the failure of bringing up VFs of SRIOV when doing on and off switch.
- o This product addressed adapter not responsive when work under heavy loading with 128 VMs.
- o The product addressed status reporting of PLDM sensor monitoring with BMC.
- o This product addressed the link-flap after link down or warm boot.

### Enhancements

Added ESXi 9.1 Supported Environment

### Supported Devices and Features

This product supports the following network adapters:

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

HPE Broadcom NetXtreme-E Online Firmware Upgrade Utility for VMware  
Version: 226.1.107.0 (C) (**Recommended**)  
Filename: CP070641.compsig; CP070641.zip

### Important Note!

HPE recommends *HPE Broadcom NetXtreme-E Drivers for VMware*, versions 2023.09.00 or later, for use with this firmware.

This software package contains NVM Image version 226.1.107000 with the following firmware versions:

NIC	Bootcode Version	NCSI Version	MBA Version	UEFI Version	RoCE Version
HPE Ethernet 10/25Gb 2-port SFP28 BCM57414 OCP3 Adapter	226.0.145.0	226.0.145.0	226.0.135.0	226.0.135.0	226.0.145.0
HPE Ethernet 10/25Gb 2-port SFP28 BCM57414 Adapter					
HPE Ethernet 10Gb 2-port BaseT BCM57416 OCP3 Adapter					
HPE Ethernet 10Gb 2-port BaseT BCM57416 Adapter					
HPE Ethernet 10Gb 2-port SFP+ BCM57412 OCP3 Adapter					
HPE Ethernet 10Gb 2-port SFP+ BCM57412 Adapter					
HPE Ethernet 10/25Gb 4-port SFP28 BCM57504 Adapter					
HPE Ethernet 10/25Gb 4-port SFP28 BCM57504 OCP3 Adapter					

### Prerequisites

This product requires the appropriate driver for your device and operating system be installed before firmware is updated.

### Fixes

- o This product addressed device lost symptom after continuously ungraceful restart on BCM57414 OCP3 adapter.
- o This product addressed some RDE pattern format for some LLDP properties.
- o This product addressed the NC-SI passthrough with BMC when device is under idle mode.
- o This product addressed new mechanism for loading factory default.

### Enhancements

- o This product enhanced the device self-diagnostic matrix and MAC verification.
- o This product enhanced the link-speed calculation for internal variable.

### Supported Devices and Features

This product supports the following network adapters:

- o HPE Ethernet 10/25Gb 2-port SFP28 BCM57414 OCP3 Adapter
- o HPE Ethernet 10Gb 2-port BaseT BCM57416 Adapter

- o HPE Ethernet 10Gb 2-port BaseT BCM57416 OCP3 Adapter
- o HPE Ethernet 10Gb 2-port SFP+ BCM57412 Adapter
- o HPE Ethernet 10Gb 2-port SFP+ BCM57412 OCP3 Adapter
- o HPE Ethernet 10/25Gb 2-port SFP28 BCM57414 Adapter
- o Broadcom BCM57504 Ethernet 10/25Gb 4-port SFP28 Adapter for HPE
- o Broadcom BCM57504 Ethernet 10/25Gb 4-port SFP28 OCP3 Adapter for HPE

HPE Broadcom NX1 Online Firmware Upgrade Utility VMware for HPE ProLiant Gen10 server series Only.  
Version: 1.43.0 (B) (**Recommended**)  
Filename: CP070620.compsig; CP070620.zip

**Important Note!**

- o **This component ONLY support HPE ProLiant Gen10 server series.**

This software package contains combo image v20.35.41 with the following firmware versions:

NIC	Boot Code Version	PXE Version	NCSI Version	UEFI Version
HPE Ethernet 1Gb 2-port 330i Adapter (22BD)	2.10	21.6.4	1.5.65	21.6.92
HPE Ethernet 1Gb 4-port 331i Adapter (22BE) HPE Ethernet 1Gb 4-port 331FLR Adapter HPE Ethernet 1Gb 4-port 331T Adapter	1.64	21.6.4	1.5.65	21.6.92
HPE Ethernet 1Gb 2-port 332i Adapter (22E8) HPE Ethernet 1Gb 2-port 332T Adapter	1.43	21.6.4	1.5.65	21.6.92

For previous firmware versions prior to v20.19.51, please refer to the link : <https://www.hpe.com/global/swpublishing/MTX-4f19da2bceff4b73a31531d71e>

**Prerequisites**

This product requires the appropriate driver for your device and operating system be installed before firmware is updated.

**Fixes**

- o This product fixes the issue where unique serial number in VPD (Vital Product Data) will be altered to a dummy serial number
- o This product fixes the issue where Failing to Obtain iLO shared NIC DHCP IP and MCTP EID Missing during Reboot.
- o This product fixes the issue where PCI Temperature sensor might be missing intermittently causing Increase in Fan Speed

**Enhancements**

Added ESXi 9.1 Supported Environment

**Supported Devices and Features**

This product supports the following network adapters:

- o HPE Ethernet 1Gb 2-port 330i Adapter (22BD)
- o HPE Ethernet 1Gb 4-port 331i Adapter (22BE)
- o HPE Ethernet 1Gb 4-port 331FLR Adapter
- o HPE Ethernet 1Gb 4-port 331T Adapter
- o HPE Ethernet 1Gb 2-port 332i Adapter (22E8)
- o HPE Ethernet 1Gb 2-port 332T Adapter

HPE Intel Online Firmware Upgrade Utility VMware for HPE ProLiant Gen9 and Gen10 server series Only.  
Version: 3.30.0 (**Recommended**)  
Filename: CP070388.compsig; CP070388.zip

**Important Note!**

- o This software package contains the following firmware versions for the below listed supported network adapters:

NIC	EEPROM/NVM Version	OROM Version	Single NVM Version
HPE Ethernet 1Gb 2-port 361i Adapter	8000119A	1.3911.0	N/A
HPE Ethernet 1Gb 2-port 361T Adapter	80001147	1.3911.0	N/A
HPE Ethernet 1Gb 4-port 366FLR Adapter	800011A1	1.3911.0	N/A
HPE Ethernet 1Gb 4-port 366T Adapter	800011F1	1.3911.0	N/A
HPE Ethernet 1Gb 2-port 368i Adapter	80003AC5	1.3911.0	N/A
HPE Ethernet 1Gb 2-port 368FLR-MMT Adapter	80003AC2	1.3911.0	N/A
HPE Ethernet 1Gb 4-port 369i Adapter	80003AC3	1.3911.0	N/A
HPE Ethernet 10Gb 2-port 568i Adapter	80003AC4	1.3911.0	N/A
HPE Ethernet 10Gb 2-port 568FLR-MMSFP+ Adapter	80003AC2	1.3911.0	N/A
HPE Ethernet 10Gb 2-port 568FLR-MMT Adapter	80003AC2	1.3911.0	N/A
HPE Ethernet 10Gb 2-port 563i Adapter	800035C0	1.3911.0	N/A
HPE Ethernet 10Gb 2-port 562FLR-SFP+ Adapter	8000F231	1.3911.0	11.1.7
HPE Ethernet 10Gb 2-port 562FLR-T Adapter	800016F1	1.3911.0	10.55.3
HPE Ethernet 10Gb 2-port 562SFP+ Adapter	8000F232	1.3911.0	11.1.7
HPE Ethernet 10Gb 2-port 562T Adapter	800016EF	1.3911.0	10.55.3

The combo image v1.3911.0 includes: Boot Agent: 1GbE - v1.5.90, 10GbE - v2.4.59, 40GbE - v1.1.45 & UEFI Drivers: 1GbE - v9.9.03, 10GbE - v8.3.05, 40GbE - v5.0.33

Single NVM Version is new firmware format which represent an unified version in place of the previously used EEPROM/NVM Version or OROM version.

**This software package no longer contains Firmware for the below listed supported network adapters:**

HPE Ethernet 1Gb 2-port 363i Adapter

HPE Ethernet 1Gb 4-port 366i Adapter

HPE Ethernet 1Gb 4-port 366i Communication Board

HPE Ethernet 10Gb 2-port 560FLR-SFP+ Adapter

HPE Ethernet 10Gb 2-port 560SFP+ Adapter

HPE Ethernet 10Gb 2-port 561FLR-T Adapter

HPE Ethernet 10Gb 2-port 561T Adapter

- o The latest firmware version of above adapters, please refer to the link : [https://support.hpe.com/connect/s/softwaredetails?language=en\\_US&softwareId=MTX\\_d7826493bb5a4aa69b4aa9a1d5&tab=releaseNotes](https://support.hpe.com/connect/s/softwaredetails?language=en_US&softwareId=MTX_d7826493bb5a4aa69b4aa9a1d5&tab=releaseNotes)

**Prerequisites**

This product requires the appropriate driver for your device and operating system be installed before firmware is updated.

**Fixes**

- o This product fixed an HII defect where the "functionless default" overwrote modification information for the same flag field.
- o This product fixed an issue where BIOS failed to preserve greyed-out options, preventing unintended writes.

**Enhancements**

Added ESXi 9.1 Supported Environment

**Supported Devices and Features**

This package supports the following network adapters:

- o HPE Ethernet 1Gb 2-port 361i Adapter
- o HPE Ethernet 1Gb 2-port 361T Adapter
- o HPE Ethernet 1Gb 2-port 368FLR-MMT Adapter
- o HPE Ethernet 1Gb 2-port 368i Adapter
- o HPE Ethernet 1Gb 4-port 366FLR Adapter
- o HPE Ethernet 1Gb 4-port 366T Adapter
- o HPE Ethernet 1Gb 4-port 369i Adapter
- o HPE Ethernet 10Gb 2-port 562FLR-SFP+ Adapter
- o HPE Ethernet 10Gb 2-port 562FLR-T Adapter
- o HPE Ethernet 10Gb 2-port 562SFP+ Adapter
- o HPE Ethernet 10Gb 2-port 562T Adapter
- o HPE Ethernet 10Gb 2-port 568FLR-MMSFP+ Adapter
- o HPE Ethernet 10Gb 2-port 568FLR-MMT Adapter
- o HPE Ethernet 10Gb 2-port 568i Adapter
- o HPE Ethernet 10Gb 2-port 563i Adapter

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HPE QLogic FastLinQ Online Firmware Upgrade Utility for VMware  
Version: 4.20.0 (B) (**Recommended**)  
Filename: CP070386.compsig; CP070386.zip

**Important Note!**

HPE recommends *HPE QLogic FastLinQ 10/25/50GbE Multifunction Drivers for VMware*, versions 2025.03.00 or later, for use with this firmware.

This software package contains combo image version v8.65.23 includes:

- o Boot Code (MFW): 8.65.7.0
- o UEFI: 4.1.13.2
- o PXE: 2.0.19

The users will only see the combo image versions in the interactive mode firmware update or while using HPSUM/SPP to update the firmware on the supported adapters.

**Prerequisites**

This product requires the appropriate driver for your device and operating system be installed before firmware is updated.

**Fixes**

This product fixed the ESXi 9.1 supported issue.

**Enhancements**

This product enhanced the compatibility with drivers.

**Supported Devices and Features**

This product supports the following network adapters:

- HPE Ethernet 10Gb 2-port 521T Adapter
- HPE Ethernet 10Gb 2-port 524SFP+ Adapter
- HPE Ethernet 10/25Gb 2-port 621SFP28 Adapter
- HPE Ethernet 10/25Gb 2-port 622FLR-SFP28 Converged Network Adapter
- HPE StoreFabric CN1200R-T Converged Network Adapter
- HPE StoreFabric CN1300R Converged Network Adapter

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HPE QLogic FastLinQ Online Firmware Upgrade Utility for VMware

Version: 8.55.12 (C) **(Recommended)**

Filename: CP070642.compsig; CP070642.zip

### **Important Note!**

HPE recommends *HPE QLogic FastLinQ 10/25/50GbE Multifunction Drivers for VMware*, versions 2021.04.05 or later, for use with this firmware.

This software package contains combo image version v8.55.12 includes:

- Boot Code (MFW): 8.55.21.0
- UEFI: 4.1.11.2
- PXE: 2.0.19

The users will only see the combo image versions in the interactive mode firmware update or while using HPSUM/SPP to update the firmware on the supported adapters.

### **Prerequisites**

This product requires the appropriate driver for your device and operating system be installed before firmware is updated.

### **Fixes**

This product addresses a pause flood condition on switch when attempting iPXE boot.

### **Enhancements**

This product contains support PLDM firmware upgrade base improvements.

### **Supported Devices and Features**

This product supports the following network adapters:

- HPE Ethernet 10Gb 2-port 521T Adapter
- HPE Ethernet 10Gb 2-port 524SFP+ Adapter
- HPE Ethernet 10/25Gb 2-port 621SFP28 Adapter
- HPE Ethernet 10/25Gb 2-port 622FLR-SFP28 Converged Network Adapter
- HPE StoreFabric CN1200R-T Converged Network Adapter
- HPE StoreFabric CN1300R Converged Network Adapter

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HPE QLogic NX2 Online Firmware Upgrade Utility for VMware

Version: 1.37.0 (B) **(Recommended)**

Filename: CP070394.compsig; CP070394.zip

### **Important Note!**

HPE recommends HPE QLogic NX2 10/20GbE Multifunction Drivers for VMware, versions 2025.03.00 or later, for use with this firmware.

This software package contains combo image v7.19.27 with the following firmware versions:

<b>NIC</b>	<b>Boot Code Version</b>	<b>PXE Version</b>	<b>UEFI Version</b>	<b>iSCSI Version</b>	<b>FCoE Version</b>	<b>CCM Version</b>	<b>L2 Version</b>
HPE Ethernet 10Gb 2-port 530SFP+ Adapter HPE Ethernet 10Gb 2-port 530T Adapter	7.16.15	7.14.13	8.9.3	n/a	n/a	7.14.4	7.12.25
HPE Ethernet 10Gb 2-port 533FLR-T Adapter HPE FlexFabric 10Gb 2-port 534FLR-SFP+ Adapter HPE FlexFabric 10Gb 4-port 536FLR-T Adapter	7.16.15	7.14.13	8.9.3	7.14.0	7.14.3	7.14.4	7.12.25

### **Prerequisites**

This product requires the appropriate driver for your device and operating system be installed before firmware is updated.

### **Fixes**

This product fixed the ESXi 9.1 supported issue.

### **Enhancements**

This product enhanced the compatibility with drivers.

### **Supported Devices and Features**

This product supports the following network adapters:

- HPE Ethernet 10Gb 2-port 530SFP+ Adapter
- HPE Ethernet 10Gb 2-port 530T Adapter
- HPE Ethernet 10Gb 2-port 533FLR-T Adapter

- o HPE FlexFabric 10Gb 2-port 534FLR-SFP+ Adapter
- o HPE FlexFabric 10Gb 4-port 536FLR-T Adapter

Intel Online Firmware Upgrade Utility for VMware  
Version: 3.29.0 (**Recommended**)  
Filename: CP070391.compsig; CP070391.zip

**Important Note!**

This software package contains the following firmware versions for the below listed supported network adapters:

NIC	EEPROM/NVM Version	OROM Version	Single NVM Version	FW Version
HPE Ethernet 10Gb 2-port SFP+ OCP3 X710-DA2 Adapter	800100D3	1.3909.0	N/A	9.56
HPE Ethernet 10Gb 2-port SFP+ X710-DA2 Adapter	800100DE	1.3909.0	N/A	9.56
Intel I350-T4 Ethernet 1Gb 4-port BASE-T Adapter	8000123F	1.3909.0	N/A	N/A
Intel I350-T4 Ethernet 1Gb 4-port BASE-T OCP3 Adapter	80001234	1.3909.0	N/A	N/A
Intel(R) I350 Gigabit Network Connection (2-port)	8000119C	1.3909.0	N/A	N/A
Intel(R) I350 Gigabit Network Connection (4-port)	8000E897	1.3909.0	N/A	N/A

The combo image v1.3909.0 includes: Boot Agent: 1GbE - v1.5.90, 10GbE - v2.4.59, 40GbE - v1.1.45 & UEFI Drivers: 1GbE - v9.9.03, 10GbE - v8.3.05, 40GbE - v5.0.33

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.

**Fixes**

- o This product fixed an HII defect where the "functionless default" overwrote modification information for the same flag field.
- o This product fixed an issue where BIOS failed to preserve greyed-out options, preventing unintended writes.

**Enhancements**

Added ESXi 9.1 Supported Environment

**Supported Devices and Features**

This package supports the following network adapters:

- o Intel(R) I350 Gigabit Network Connection (2-port)
- o Intel(R) I350 Gigabit Network Connection (4-port)
- o HPE Ethernet 1Gb 4-port BaseT I350-T4 Adapter
- o HPE Ethernet 1Gb 4-port BaseT I350-T4 OCP3 Adapter
- o HPE Ethernet 10Gb 2-port SFP+ X710-DA2 OCP3 Adapter
- o HPE Ethernet 10Gb 2-port SFP+ X710-DA2 Adapter

Marvell FastLinQ Online Firmware Upgrade Utility for VMware  
Version: 8.55.12 (C) (**Recommended**)  
Filename: CP070643.compsig; CP070643.zip

**Important Note!**

This software package contains combo image v8.55.12. This combo image includes:

- o PXE: 2.0.19
- o Boot Code (MFW): 8.55.22.0
- o UEFI: 6.1.8.2

**Prerequisites**

This product requires the appropriate driver for your device and operating system be installed before firmware is updated.

**Fixes**

- o This product contains support PLDM firmware upgrade base improvements.
- o This product addresses an overheat issue on the network adapters as below,
  - HPE Ethernet 10Gb 2-port BaseT QL41132HLRJ Adapter
  - HPE Ethernet 10Gb 2-port BaseT QL41132HQRJ OCP3 Adapter

**Enhancements**

This product now supported NPAR enabling option.

**Supported Devices and Features**

This product supports the following network adapters:

- o HPE Ethernet 10/25Gb 2-port SFP28 QL41232HQCU OCP3 Adapter
- o HPE Ethernet 10/25Gb 2-port SFP28 QL41232HLCU Adapter
- o HPE Ethernet 10Gb 4-port SFP+ QL41134HLCU Adapter
- o HPE Ethernet 10Gb 2-port BaseT QL41132HLRJ Adapter
- o HPE Ethernet 10Gb 2-port BaseT QL41132HQRJ OCP3 Adapter
- o HPE Ethernet 10Gb 2-port SFP+ QL41132HQCU OCP3 Adapter
- o HPE Ethernet 10Gb 2-port SFP+ QL41132HLCU Adapter

NVIDIA Firmware Package (FWPKG) for HPE InfiniBand HDR/Ethernet 200Gb 1-port QSFP56 PCIe4 x16 MCX653105A-HDAT Adapter : HPE part numbers P23664-B21 and P23664-H21

Version: 20.43.8004 (**Recommended**)

Filename: 20\_43\_8004-MCX653105A-HDA\_HPE\_Ax.pldm.fwpkg; 20\_43\_8004-MCX653105A-HDA\_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/connectx6firmwarev20438004/its/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**

**No new fixes have been included in version 20.43.8004.**

**Enhancements**

**New features and changes included in version 20.43.8004:**

- o To align with updated Microsoft UEFI Secure Boot requirements and the upcoming end-of-life of the 2011 Certificate Authority (CA), a transition to the 2023 CA has been done. To ensure successful loading of the Expansion ROM (ExpROM) during the UEFI Secure Boot process, system BIOS and operating system trust stores must be updated to include the 2023 CA.

**Note:** When performing a firmware update of ConnectX and BlueField devices the new certificate is required for Secure Boot. To continue supporting Secure Boot, systems must be updated to recognize the "Microsoft Option ROM UEFI CA 2023".

**Supported Devices and Features**

This software package contains the following firmware versions:

NVIDIA VPI Adapter	Firmware Version	PSID
HPE InfiniBand HDR/Ethernet 200Gb 1-port QSFP56 PCIe4 x16 MCX653105A-HDAT Adapter (P23664-B21 and P23664-H21)	20.43.8004	MT_0000000451

NVIDIA Firmware Package (FWPKG) for HPE InfiniBand HDR/Ethernet 200Gb 1-port QSFP56 PCIe4 x16 OCP3 MCX653435A-HDAI Adapter : HPE part numbers P31323-B21 and P31323-H21

Version: 20.43.8004 (**Recommended**)

Filename: 20\_43\_8004-MCX653435A-HDA\_HPE\_Ax.pldm.fwpkg; 20\_43\_8004-MCX653435A-HDA\_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/connectx6firmwarev20438004/its/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

No new fixes have been included in version 20.43.8004.

## Enhancements

New features and changes included in version 20.43.8004:

- To align with updated Microsoft UEFI Secure Boot requirements and the upcoming end-of-life of the 2011 Certificate Authority (CA), a transition to the 2023 CA has been done. To ensure successful loading of the Expansion ROM (ExpROM) during the UEFI Secure Boot process, system BIOS and operating system trust stores must be updated to include the 2023 CA.

**Note:** When performing a firmware update of ConnectX and BlueField devices the new certificate is required for Secure Boot. To continue supporting Secure Boot, systems must be updated to recognize the "Microsoft Option ROM UEFI CA 2023".

## Supported Devices and Features

This software package contains the following firmware versions:

NVIDIA VPI Adapter	Firmware Version	PSID
HPE InfiniBand HDR/Ethernet 200Gb 1-port QSFP56 PCIe4 x16 OCP3 MCX653435A-HDAI Adapter (P31323-B21 and P31323-H21)	20.43.8004	MT_0000000592

NVIDIA Firmware Package (FWPKG) for HPE InfiniBand HDR/Ethernet 200Gb 2-port QSFP56 PCIe4 x16 MCX653106A-HDAT Adapter : HPE part numbers P31324-B21 and P31324-H21

Version: 20.43.8004 (**Recommended**)

Filename: 20\_43\_8004-MCX653106A-HDA\_HPE\_Ax.pldm.fwpkg; 20\_43\_8004-MCX653106A-HDA\_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:

- HPE signed PLDM Firmware Package (.FWPKG filename extension) updatable via iLO.
- 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 - InfiniBand	200GbE/50GbE	100GbE/25GbE	40GbE/10GbE	1GbE
HDR / HDR100	supported	supported	not supported	supported
EDR	supported	supported	not supported	supported
FDR	not supported	not supported	not supported	not supported
QDR/SDR	supported	supported	not supported	supported

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A list of known issues with this release is available at: <https://docs.nvidia.com/networking/display/connectx6firmwarev20438004/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**

No new fixes have been included in version 20.43.8004.

**Enhancements**

New features and changes included in version 20.43.8004:

- To align with updated Microsoft UEFI Secure Boot requirements and the upcoming end-of-life of the 2011 Certificate Authority (CA), a transition to the 2023 CA has been done. To ensure successful loading of the Expansion ROM (ExpROM) during the UEFI Secure Boot process, system BIOS and operating system trust stores must be updated to include the 2023 CA.

**Note:** When performing a firmware update of ConnectX and BlueField devices the new certificate is required for Secure Boot. To continue supporting Secure Boot, systems must be updated to recognize the "Microsoft Option ROM UEFI CA 2023".

**Supported Devices and Features**

This software package contains the following firmware versions:

NVIDIA VPI Adapter	Firmware Version	PSID
HPE InfiniBand HDR/Ethernet 200Gb 2-port QSFP56 PCIe4 x16 MCX653106A-HDAT Adapter(P31324-B21 and P31324-H21)	20.43.8004	MT_0000000594

NVIDIA Firmware Package (FWPKG) for HPE InfiniBand HDR/Ethernet 200Gb 2-port QSFP56 PCIe4 x16 OCP3 MCX653436A-HDAI Adapter : HPE part numbers P31348-B21 and P31348-H21

Version: 20.43.8004 (Recommended)

Filename: 20\_43\_8004-MCX653436A-HDA\_HPE\_Ax.pldm.fwpkg; 20\_43\_8004-MCX653436A-HDA\_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:

- HPE signed PLDM Firmware Package (.FWPKG filename extension) updatable via iLO.
- 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 - InfiniBand	200GbE/50GbE	100GbE/25GbE	40GbE/10GbE	1GbE
HDR / HDR100	supported	supported	not supported	supported
EDR	supported	supported	not supported	supported
FDR	not supported	not supported	not supported	not supported
QDR/SDR	supported	supported	not supported	supported

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A list of known issues with this release is available at: <https://docs.nvidia.com/networking/display/connectx6firmwarev20438004/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

No new fixes have been included in version 20.43.8004.

## Enhancements

New features and changes included in version 20.43.8004:

- To align with updated Microsoft UEFI Secure Boot requirements and the upcoming end-of-life of the 2011 Certificate Authority (CA), a transition to the 2023 CA has been done. To ensure successful loading of the Expansion ROM (ExpROM) during the UEFI Secure Boot process, system BIOS and operating system trust stores must be updated to include the 2023 CA.

**Note:** When performing a firmware update of ConnectX and BlueField devices the new certificate is required for Secure Boot. To continue supporting Secure Boot, systems must be updated to recognize the "Microsoft Option ROM UEFI CA 2023".

## Supported Devices and Features

This software package contains the following firmware versions:

NVIDIA VPI Adapter	Firmware Version	PSID
HPE InfiniBand HDR/Ethernet 200Gb 2-port QSFP56 PCIe4 x16 OCP3 MCX653436A-HDAI Adapter (P31348-B21 and P31348-H21)	20.43.8004	MT_0000000593

NVIDIA Firmware Package (FWPKG) for HPE InfiniBand HDR100/Ethernet 100Gb 1-port QSFP56 PCIe4 x16 MCX653105A-ECAT Adapter : HPE part numbers P23665-B21 and P23665-H21

Version: 20.43.8004 (**Recommended**)

Filename: 20\_43\_8004-MCX653105A-ECA\_HPE\_Ax.pldm.fwpkg; 20\_43\_8004-MCX653105A-ECA\_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:

- HPE signed PLDM Firmware Package (.FWPKG filename extension) updatable via iLO.
- 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/connectx6firmwarev20438004/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

No new fixes have been included in version 20.43.8004.

## Enhancements

New features and changes included in version 20.43.8004:

- To align with updated Microsoft UEFI Secure Boot requirements and the upcoming end-of-life of the 2011 Certificate Authority (CA), a transition to the 2023 CA has been done. To ensure successful loading of the Expansion ROM (ExpROM) during the UEFI Secure Boot process, system BIOS and operating system trust stores must be updated to include the 2023 CA.

**Note:** When performing a firmware update of ConnectX and BlueField devices the new certificate is required for Secure Boot. To continue supporting Secure Boot, systems must be updated to recognize the "Microsoft Option ROM UEFI CA 2023".

## Supported Devices and Features

This software package contains the following firmware versions:

NVIDIA VPI Adapter	Firmware Version	PSID
HPE InfiniBand HDR100/Ethernet 100Gb 1-port QSFP56 PCIe4 x16 MCX653105A-ECAT Adapter (P23665-B21 and P23665-H21)	20.43.8004	MT_0000000452

NVIDIA Firmware Package (FWPKG) for HPE InfiniBand HDR100/Ethernet 100Gb 2-port QSFP56 PCIe4 x16 MCX653106A-ECAT Adapter : HPE part numbers P23666-B21 and P23666-H21

Version: 20.43.8004 (**Recommended**)

Filename: 20\_43\_8004-MCX653106A-ECA\_HPE\_Ax.pldm.fwpkg; 20\_43\_8004-MCX653106A-ECA\_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:

- HPE signed PLDM Firmware Package (.FWPKG filename extension) updatable via iLO.
- 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
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 - InfiniBand	50GbE	100GbE/25GbE	40GbE/10GbE	1GbE
HDR / HDR100	supported	supported	not supported	supported
EDR	supported	supported	not supported	supported
FDR	not supported	not supported	not supported	not supported
QDR/SDR	supported	supported	not supported	supported

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A list of known issues with this release is available at: <https://docs.nvidia.com/networking/display/connectx6firmwarev20438004/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

No new fixes have been included in version 20.43.8004.

#### Enhancements

New features and changes included in version 20.43.8004:

- To align with updated Microsoft UEFI Secure Boot requirements and the upcoming end-of-life of the 2011 Certificate Authority (CA), a transition to the 2023 CA has been done. To ensure successful loading of the Expansion ROM (ExpROM) during the UEFI Secure Boot process, system BIOS and operating system trust stores must be updated to include the 2023 CA.

**Note:** When performing a firmware update of ConnectX and BlueField devices the new certificate is required for Secure Boot. To continue supporting Secure Boot, systems must be updated to recognize the "Microsoft Option ROM UEFI CA 2023".

#### Supported Devices and Features

This software package contains the following firmware versions:

NVIDIA VPI Adapter	Firmware Version	PSID
HPE InfiniBand HDR100/Ethernet 100Gb 2-port QSFP56 PCIe4 x16 MCX653106A-ECAT Adapter (P23666-B21 and P23666-H21)	20.43.8004	MT_0000000453

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: 28.48.1000 (Recommended)

Filename: 28\_48\_1000-MCX75310AAS-HEAT\_HPE2\_Ax.pldm.fwpkg; 28\_48\_1000-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:

- HPE signed PLDM Firmware Package (.FWPKG filename extension) updatable via iLO.
- 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/connectx7firmwarev28481000/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 28.48.1000:**

- o An interoperability issue where, when ConnectX-7 communicates with ConnectX-8 using the probe-based algorithm, bandwidth could become extremely low due to probe packets being dropped.
- o The DPA kernel used unsafe ICM access during process creation/modification, which would cause the DPA kernel to hang during FLR.
- o User Debugger "query caps" returned only the number of capabilities, not the capability bitmap.
- o Race condition in standby/boot power sequencing. In certain timing windows, port power-down would be delayed such that the power-up flow detected the port still transitioning to power-down, causing the sequence to fail and leaving the port stuck in a powered-down state.
- o mlxlink reported 0 values for SNR (media and host) due to incorrect local port mapping in firmware and an incorrect page number used by MFT.
- o Due to an SMBus release race condition, the I2C bus would become stuck.
- o Fuse values were not aligned with the updated values burned across different ConnectX-7 setups.
- o Issue in the steering definers used for LAG with IPv6 traffic.
- o A spurious CNP was sent in response to an out-of-sequence packet.
- o The root complex sent MCTP-over-PCI messages before a BDF was assigned, causing responses to be sent with BDF 0. The fix ensures that MCTP messages routed by ID are ignored until a valid BDF is assigned.
- o The steering tables were not updated after enabling partial Spectrum-X capabilities (BTH.AR) via LLPD.
- o When decapsulation on a packet occurred, the FCS indication was not calculated correctly.
- o In IB system, RTT\_response\_sl feature did not work with Sniffer tools (e.g., Wireshark/Tcpdump/).

**Enhancements**

**New features and changes included in version 28.48.1000:**

- o Improved the ADP-RETX algorithm to avoid re-arming without performing a retransmission.
- o The DOCA PCC NP application now enables the NIC to insert the RTT response transmit timestamp in hardware, reducing software-induced jitter and improving the accuracy and consistency of RTT measurements.
- o The system-wide limit for DPA processes has been reduced to 30. This total includes both user processes across all GVMIs and internal ProgCC processes. The max\_dpa\_processes value reported to the user is calculated as: max\_dpa\_processes=30-number\_of\_progcc\_processes
- o Added MAD (Management Datagram) access to the new Adaptive Retransmission Histogram registers. Users can configure the histogram by issuing VSP MAD GET/SET operations to ADP\_RETX\_HISTOGRAM\_CONFIG (0xc01D), and retrieve histogram data via VSP MAD GET to ADP\_RETX\_HISTOGRAM\_READ (0xc01E) (using the required VSP MAD header values and TLV format). This enables configuring and collecting adaptive retransmission timeout statistics through the MAD interface.
- o Host rate limiting has been extended to support bandwidth values above 255 Gbps. To remove the previous cap, a new max\_bw\_value\_msb field was added to est\_global, providing additional MSB bits to represent higher bandwidth values. With this enhancement, firmware and host tooling can correctly configure and report rate limits beyond 255 Gbps on high-speed links.
- o PLDM now supports the PDR Repository Change event type, enabling notification to the BMC when PDRs change. With this flow, the BMC can detect cable insertion/removal events.
- o Added support for running save and load operations in parallel, enabling multiple contexts (e.g., multiple VFs) to be checkpointed and restored concurrently instead of serially. This reduces overall migration time and improves scalability in environments that need to migrate or recover many VFs at once.
- o Extended packet modify-header operations to support set and copy actions on the NVGRE VSID (Virtual Subnet Identifier) . A new field, TUNNEL\_HDR\_DW\_2 (0x84), enables dynamic VSID modification, adding header rewrite support for NVGRE tunnel traffic in addition to existing filtering capabilities.
- o Added a new output field, migration\_state, to QUERY\_VHCA\_MIGRATION\_STATE. Software uses this field to make live-migration flow decisions, specifically to signal when it is not a good time to transition into the stop-copy stage.
- o To align with updated Microsoft UEFI Secure Boot requirements and the upcoming end-of-life of the 2011 Certificate Authority (CA), a transition to the 2023 CA has been done. To ensure successful loading of the Expansion ROM (ExpROM) during the UEFI Secure Boot process, system BIOS and operating system trust stores must be updated to include the 2023 CA.  
**Note:** When performing a firmware update of ConnectX and BlueField devices the new certificate is required for Secure Boot. To continue supporting Secure Boot, systems must be updated to recognize the "Microsoft Option ROM UEFI CA 2023".

**Supported Devices and Features**

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

Online Firmware Upgrade Utility (ESXi 9.x) for HPE Ethernet 10Gb 2-port 548SFP+ Adapter  
 Version: 1.0.2 (A) **(Recommended)**  
 Filename: CP071012.compsig; CP071012.zip

**Prerequisites**

Use iLO5 firmware version 2.30 or higher with ConnectX4-Lx firmware version 14.32.1010. Thermal sensor reporting on the adapter will not be functional with older versions of iLO5 firmware.

**Fixes**

**No fixes are included in version 14.32.1908.**

**Enhancements**

**Changes included in product version 1.0.2(A):**

- o Support added for VMWare ESXi 9.1.

**New features and changes included in version 14.32.1908:**

- o This release contains important reliability improvements and security hardening enhancements. HPE recommends upgrading your devices firmware to this release to improve the devices' firmware security and reliability.

**Supported Devices and Features**

HPE Part Number	Mellanox Ethernet Only Adapters	PSID
P11338-B21	HPE Ethernet 10Gb 2-port 548SFP+ Adapter	HPE0000000038

Online Firmware Upgrade Utility (ESXi 9.x) for HPE Mellanox Ethernet only adapters

Version: 1.0.2 (A) (**Recommended**)

Filename: CP071008.compsig; CP071008.zip

**Important Note!**

The Firmware Upgrade Utility has been split into 2 packages for Mellanox Ethernet Only NIC adapters, one supporting Synergy platforms and the other supporting ProLiant and Apollo platforms. This package supports Mellanox Ethernet Only NIC adapters on ProLiant and Apollo servers.

**Prerequisites**

Use iLO5 firmware version 2.30 or higher with ConnectX4-Lx/ConnectX5 firmware version 14.32.1010/16.32.1010 (or later) respectively. Thermal sensor reporting on the adapter will not be functional with older versions of iLO5 firmware.

**Fixes**

**No fixes are included in version 14.32.1908.**

**The following issues have been fixed in version 16.35.8002:**

- o Firmware failed to scan the correct CQs for the PF after the FW entered into the CQ recovery mode., resulting in CQs for the PF not being recovered.

**Enhancements**

**Firmware for the following devices has been updated to 14.32.1908:**

- o 817749-B21 (HPE Ethernet 25Gb 2-port 640FLR-SFP28 Adapter)
- o 817753-B21 (HPE Ethernet 25Gb 2-port 640SFP28 Adapter)

**Firmware for the following device has been updated to 16.35.8002:**

- o 874253-B21 (HPE Ethernet 100Gb 1-port 842QSFP28 Adapter)

**Changes included in product version 1.0.2(A):**

- o Support added for VMWare ESXi 9.1.

**New features and changes included in version 14.32.1908:**

- o This release contains important reliability improvements and security hardening enhancements. HPE recommends upgrading your devices firmware to this release to improve the devices' firmware security and reliability.

**New features and changes included in version 16.35.8002:**

- o Enhanced performance of firmware exception path handling to better support increased numbers of configured SR-IOV instances.
- o This release contains important reliability improvements and security hardening enhancements. HPE recommends upgrading your devices firmware to this release to improve the devices' firmware security and reliability.

**Supported Devices and Features**

HPE Part Number	Mellanox Ethernet Only Adapters	PSID
817749-B21	HPE Ethernet 25Gb 2-port 640FLR-SFP28 Adapter	HP_2690110034
817753-B21	HPE Ethernet 25Gb 2-port 640SFP28 Adapter	HP_2420110034
874253-B21	HPE Ethernet 100Gb 1-port 842QSFP28 Adapter	HPE0000000014

Online Firmware Upgrade Utility (ESXi 9.x) for HPE Mellanox VPI (Ethernet and Infiniband mode) ConnectX4 and ConnectX5 devices on VMware ESXi 9.x

Version: 1.0.2 (A) (**Recommended**)

Filename: CP070914.compsig; CP070914.zip

**Fixes**

**No fixes are included in version 12.28.4704.**

**The following issues have been fixed in version 16.35.8002:**

- o Firmware failed to scan the correct CQs for the PF after the FW entered into the CQ recovery mode., resulting in CQs for the PF not being recovered.

## **Enhancements**

### **Firmware for the following devices has been updated to 12.28.4704:**

- o 825110-B21 (HPE InfiniBand EDR/Ethernet 100Gb 1-port 840QSFP28 Adapter)
- o 825111-B21 (HPE InfiniBand EDR/Ethernet 100Gb 2-port 840QSFP28 Adapter)

### **Firmware for the following devices has been updated to 16.35.8002:**

- o 879482-B21 (HPE InfiniBand FDR/Ethernet 40/50Gb 2-port 547FLR-QSFP Adapter)
- o 872726-B21 (HPE InfiniBand EDR/Ethernet 100Gb 2-port 841QSFP28 Adapter)

### **Changes included in product version 1.0.2(A):**

- o Support added for VMWare ESXi 9.1.

### **New features and changes included in version 12.28.4704:**

- o This release contains important reliability improvements and security hardening enhancements. HPE recommends upgrading your devices firmware to this release to improve the devices' firmware security and reliability.

### **New features and changes included in version 16.35.8002:**

- o Enhanced performance of firmware exception path handling to better support increased numbers of configured SR-IOV instances.
- o This release contains important reliability improvements and security hardening enhancements. HPE recommends upgrading your devices firmware to this release to improve the devices' firmware security and reliability.

## **Supported Devices and Features**

HPE Part Number	Device Name	PSID
825110-B21	HPE InfiniBand EDR/Ethernet 100Gb 1-port 840QSFP28 Adapter	HP_2180110032
825111-B21	HPE InfiniBand EDR/Ethernet 100Gb 2-port 840QSFP28 Adapter	HP_2190110032
872726-B21	HPE InfiniBand EDR/Ethernet 100Gb 2-port 841QSFP28 Adapter	HPE0000000009
879482-B21	HPE InfiniBand FDR/Ethernet 40/50Gb 2-port 547FLR-QSFP Adapter	HPE0000000022

Online Firmware Upgrade Utility (ESXi 9.x) for Mellanox Open Ethernet cards

Version: 1.0.2 (A) **(Recommended)**

Filename: CP071009.compsig; CP071009.zip

## **Important Note!**

On Adapter Firmware rewrite scenario, SUM will always discover the Mellanox Open adapter firmware smart component as applicable and select it for deployment If the server iLO5 firmware version is older than 2.30.

## **Prerequisites**

Use iLO5 firmware version 2.30 or higher with ConnectX4-Lx/ConnectX5 firmware version 14.32.1010/16.32.1010 respectively. Thermal sensor reporting on the adapter will not be functional with older versions of iLO5 firmware.

## **Fixes**

### **No fixes are included in version 14.32.1908.**

### **The following issues have been fixed in version 16.35.8002:**

- o Firmware failed to scan the correct CQs for the PF after the FW entered into the CQ recovery mode., resulting in CQs for the PF not being recovered.

## **Enhancements**

### **Firmware for the following devices has been updated to 14.32.1908:**

- o P21930-B21 (HPE Ethernet 10Gb 2-port SFP+ MCX4121A-XCAT Adapter)
- o P11341-B21 (HPE Ethernet 10Gb 2-port SFP+ MCX4621A-ACAB OCP3 Adapter)

### **Firmware for the following device has been updated to 16.35.8002:**

- o P21927-B21 (HPE Ethernet 100Gb 2-Port QSFP28 MCX516A-CCHT Adapter)

### **Changes included in product version 1.0.2(A):**

- o Support added for VMWare ESXi 9.1.

### **New features and changes included in version 14.32.1908:**

- o This release contains important reliability improvements and security hardening enhancements. HPE recommends upgrading your devices firmware to this release to improve the devices' firmware security and reliability.

## New features and changes included in version 16.35.8002:

- o Enhanced performance of firmware exception path handling to better support increased numbers of configured SR-IOV instances.
- o This release contains important reliability improvements and security hardening enhancements. HPE recommends upgrading your devices firmware to this release to improve the devices' firmware security and reliability.

## Supported Devices and Features

HPE Part Number	Mellanox Ethernet Only Adapters	PSID
P21930-B21	HPE Ethernet 10Gb 2-port SFP+ MCX4121A-XCHT Adapter	MT_0000000414
P11341-B21	HPE Ethernet 10Gb/25Gb 2-port SFP28 MCX4621A-ACAB OCP3 Adapter	MT_0000000238
P21927-B21	HPE Ethernet 100Gb 2-port QSFP28 MCX516A-CCHT Adapter	MT_0000000417

## Firmware - Storage Controller

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Controller Firmware Flash for ESXi8.0 and 9.0 - HPE MR216i-a Gen10 Plus Tri Mode Controller  
Version: 52.26.3.5487 (C) (**Recommended**)  
Filename: CP070859.compsig; CP070859.zip

### Enhancements

- o ESXi9.1 support.

Controller Firmware Flash for ESXi8.0 and 9.0 - HPE MR216i-p Gen10 Plus Tri Mode Controller  
Version: 52.26.3.5487 (C) (**Recommended**)  
Filename: CP070860.compsig; CP070860.zip

### Enhancements

- o ESXi9.1 support.

Controller Firmware Flash for ESXi8.0 and 9.0 - HPE MR416i-a Gen10 Plus Tri Mode Controller  
Version: 52.26.3.5487 (C) (**Recommended**)  
Filename: CP070861.compsig; CP070861.zip

### Enhancements

- o ESXi9.1 support.

Controller Firmware Flash for ESXi8.0 and 9.0 - HPE MR416i-p Gen10 Plus Tri Mode Controller  
Version: 52.26.3.5487 (C) (**Recommended**)  
Filename: CP070862.compsig; CP070862.zip

### Enhancements

- o ESXi9.1 support.

HPE D3600/D3700/D3610/D3710 12Gb SAS Disk Enclosure ROM Flash Component for VMware (ESXi)  
Version: 5.04 (O) (**Recommended**)  
Filename: CP070656.compsig; CP070656.md5; CP070656.zip

### Important Note!

**IMPORTANT:** Firmware updates must be performed during a system maintenance window, with all I/O to the system halted. In single domain configuration, if user hosts an OS in D3000(or any storage box) and flash the SEPs, it will hang/crash everytime as SmartComponent will reset the SEPs after flash/codeload.

**WARNING!** Do not power cycle or restart during the firmware update as this can result in loss of capabilities for this unit. It typically takes several minutes for the firmware to load.

**NOTE:** All firmware flash progress messages are logged to /var/cpq/D3000.log and flash summary is logged to /var/cpq/Component.log.

### Prerequisites

**IMPORTANT:** Firmware updates must be performed during a system maintenance window, with all I/O to the system halted.

**WARNING!** Do not power cycle or restart during the firmware update as this can result in loss of capabilities for this unit. It typically takes several minutes for the firmware to load.

**NOTE:** All firmware flash progress messages are logged to /var/cpq/D3000.log and flash summary is logged to /var/cpq/Component.log.

### Fixes

#### The following fixes were incorporated in this version:

- o The Enabled-Clusters2D command now completes successfully when executed on a SATA drive within a D3610 disk enclosure for a NonStop solution.
- o The smart carrier, which is the drive case for SAS drives, now authenticates in the D3610/D3710 drive enclosure.
- o Added new 7-segment error codes E0 and E1 to report issues with Fan modules A and B, respectively. These new codes only apply to the D3610/D3710 and only display when running firmware 5.04.
- o If the storage enclosure processor within the I/O module fails, a hard reset (power down and then power up) is executed to ensure the processor comes back online.

Please refer to the [Release Notes](#) for the complete listing of fixes, enhancements, known issues and work-arounds corresponding to this firmware.

### **Enhancements**

- Added support of ESXi 9.0
- Removed support of ESXi 7.0

### **Supported Devices and Features**

The D3600 / D3700 / D3610 / D3710 Enclosure can be attached to any of the following HPE Storage Controllers and Host Bus Adapters :

- o Smart Array P408e-p Controller
- o Smart Array E208e-p Controller

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HPE D3610B/D3710B 12Gb SAS Disk Enclosure ROM Flash Component for VMware (ESXi)

Version: 6.00 (I) (**Recommended**)

Filename: CP070658.compsig; CP070658.md5; CP070658.zip

### **Important Note!**

**IMPORTANT:** Firmware updates must be performed during a system maintenance window, with all I/O to the system halted. In single domain configuration, if user hosts an OS in D3000B(or any storage box) and flash the SEPs, it will hang/crash everytime as SmartComponent will reset the SEPs after flash/codeload.

**WARNING!** Do not power cycle or restart during the firmware update as this can result in loss of capabilities for this unit. It typically takes several minutes for the firmware to load.

**NOTE:** All firmware flash progress messages are logged to /var/cpq/D3000B.log and flash summary is logged to /var/cpq/Component.log.

### **Prerequisites**

**IMPORTANT:** Firmware updates must be performed during a system maintenance window, with all I/O to the system halted.

**WARNING!** Do not power cycle or restart during the firmware update as this can result in loss of capabilities for this unit. It typically takes several minutes for the firmware to load.

**NOTE:** All firmware flash progress messages are logged to /var/cpq/D3000B.log and flash summary is logged to /var/cpq/Component.log.

### **Fixes**

**The following fixes were incorporated in this version:**

- o Code optimization to save memory repo.
- o TLB exception seen while doing esp reset when expander reset was in progress.
- o Added the psoc 8.93 binary in peripheral images, updated the reveille version numbers.
- o Added whole new Delta PS-pmbus code , Updated the ESP version number.

Please refer to the [Release Notes](#) for the complete listing of fixes, enhancements, known issues and work-arounds corresponding to this firmware.

### **Enhancements**

- Added support of ESXi 9.0
- Removed support of ESXi 7.0

### **Supported Devices and Features**

The D3610B / D3710B Enclosure can be attached to any of the following HPE Storage Controllers and Host Bus Adapters :

- o Smart Array P408e-p Controller
- o Smart Array E208e-p Controller

---

HPE D6020 12Gb SAS Disk Enclosure ROM Flash Component for VMware (ESXi)

Version: 2.74 (V) (**Recommended**)

Filename: CP070660.compsig; CP070660.md5; CP070660.zip

### **Important Note!**

**IMPORTANT:** Firmware updates must be performed during a system maintenance window, with all I/O to the system halted. In single domain configuration, if user hosts an OS in D6020(or any storage box) and flash the SEPs, it will hang/crash everytime as SmartComponent will reset the SEPs after flash/codeload.

**WARNING!** Do not power cycle or restart during the firmware update as this can result in loss of capabilities for this unit. It typically takes several minutes for the firmware to load.

**NOTE:** All firmware flash progress messages are logged to /var/cpq/D6020.log and flash summary is logged to /var/cpq/Component.log.

### **Prerequisites**

**IMPORTANT:** Firmware updates must be performed during a system maintenance window, with all I/O to the system halted.

**WARNING!** Do not power cycle or restart during the firmware update as this can result in loss of capabilities for this unit. It typically takes several minutes for the firmware to load.

**NOTE:** All firmware flash progress messages are logged to /var/cpq/D6020.log and flash summary is logged to /var/cpq/Component.log.

## **Fixes**

### **The following fixes were incorporated in this version:**

- o Temperature sensors logic inside gSEP model and SES database
- o When an IOM is pulled the surviving IOM reports false critical temperatures

Please refer to the [Release Notes](#) for the complete listing of fixes, enhancements, known issues and work-arounds corresponding to this firmware.

## **Enhancements**

Added support of ESXi 9.0

Removed support of ESXi 7.0

## **Supported Devices and Features**

The D6020 Enclosure can be attached to any of the following HPE Storage Controllers and Host Bus Adapters :

- o Smart Array P408e-p Controller
- o Smart Array E208e-p Controller

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HPE D8000 12Gb SAS Disk Enclosure ROM Flash Component for VMware (ESXi)

Version: 0130 (J) (**Recommended**)

Filename: CP070662.compsig; CP070662.md5; CP070662.zip

## **Important Note!**

**IMPORTANT:** Firmware updates must be performed during a system maintenance window, with all I/O to the system halted. In single domain configuration, if user hosts an OS in D8000(or any storage box) and flash the SEPs, it will hang/crash everytime as SmartComponent will reset the SEPs after flash/codeload.

**WARNING!** Do not power cycle or restart during the firmware update as this can result in loss of capabilities for this unit. It typically takes several minutes for the firmware to load.

**NOTE:** All firmware flash progress messages are logged to /var/cpq/D8000.log and flash summary is logged to /var/cpq/Component.log.

## **Prerequisites**

IMPORTANT: Firmware updates must be performed during a system maintenance window, with all I/O to the system halted.

WARNING! Do not power cycle or restart during the firmware update as this can result in loss of capabilities for this unit. It typically takes several minutes for the firmware to load.

NOTE: All firmware flash progress messages are logged to /var/cpq/D8000.log and flash summary is logged to /var/cpq/Component.log.

## **Fixes**

### **The following fixes were incorporated in this version:**

- o Smart Array reporting "Storage Enclosure FW upgrade Problem Detected".
- o PSU version is showing as "No Ver" after inserted the New bel power PSU.
- o GEM\_5\_2 Coverity defect fix.

Please refer to the [Release Notes](#) for the complete listing of fixes, enhancements, known issues and work-arounds corresponding to this firmware.

## **Enhancements**

Added support of ESXi 9.0

Removed support of ESXi 7.0

## **Supported Devices and Features**

The D8000 Enclosure can be attached to any of the following HPE Storage Controllers and Host Bus Adapters :

- o HPE Smart Array P408e-p Controller
- o HPE Smart Array E208e-p Controller

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Online Firmware Flash for ESXi - HPE Gen11 Boot Controller NS204i-u, NS204i-d and HPE Gen10 Plus Boot Controller NS204i-p, NS204i-d

Version: 1.2.14.1018 (D) (**Recommended**)

Filename: CP070870.compsig; CP070870.zip

## **Enhancements**

- o ESXi9.1 support.

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Online ROM Flash Component for VMware ESXi - HPE 12Gb/s SAS Expander Firmware for HPE Smart Array Controllers and HPE HBA Controllers

Version: 5.15 (D) (**Recommended**)

Filename: CP070868.compsig; CP070868.zip

## **Important Note!**

- o **Do NOT downgrade FW to previous version if your current expander is 5.10; please upgrade to 5.15 immediately.**

## **Enhancements**

- o ESXi 9.1 support

Online ROM Flash Component for VMware ESXi - HPE Apollo 2000 Gen10 Plus Backplane Expander FW

Version: 1.27 (D) (**Recommended**)

Filename: CP070857.compsig; CP070857.zip

**Enhancements**

- o ESXi 9.1 support

Online ROM Flash Component for VMware ESXi - HPE Apollo 4200 Gen10 Plus Backplane Expander Firmware

Version: 0.39 (E) (**Recommended**)

Filename: CP070858.compsig; CP070858.zip

**Prerequisites**

- o Before upgrading to 0.39(D) and above, please flash to the transition version 0.39 first by standalone update approach to activate the new PID naming.
- o 0.39(B) is the minimum version for Gen10plus 4200 expander FW.
- o **0.39 transition version link:** <https://www.hpe.com/global/swpublishing/MTX-baec686eb389427aa933bbf9f0>

**Enhancements**

- o ESXi9.1 support.

Online ROM Flash Component for VMware ESXi - HPE Smart Array P408i-p, P408e-p, P408i-a, E208i-p, E208e-p, E208i-a, P816i-a SR Gen10 Controllers

Version: 8.00 (B) (**Recommended**)

Filename: CP070869.compsig; CP070869.zip

**Important Note!**

- o HPE Service Pack for ProLiant (SPP) provides a fully qualified recipe for specific firmware and drivers released within the same cycle, making it the primary recommended choice.
- o It is strongly recommended to use controller firmware version 8.00 for SR SAS/SATA controllers and firmware version 03.01.44.040 for SR tri-mode controllers, along with Windows 2022/2025 driver version 1016.30.0.1014, Linux driver version 2.1.38-022, and VMware ESXi driver version 80.4880.0.109/90.4880.0.109, as this combination has been fully qualified.
- o **For Windows 2016 driver, please use 1010.84.0.1012 in below link:**  
<https://www.hpe.com/global/swpublishing/MTX-c523e081ab344bc4b4bc9d5686>
- o **For Windows 2019 driver, please use 1016.10.0.1004 in below link:**  
<https://www.hpe.com/global/swpublishing/MTX-29e86213c3ab4e94b0b54906f7>
- o FWPKG support for PLDM firmware upgrades was introduced. As a transition point, both OS-dependent, offline smart components and OS-independent FWPKG for PLDM firmware package updates were made available. From firmware versions later than 5.61, OS-dependent smart and offline components can only be used on DL325 and DL385 Gen10 with AMD EPYC 7xx2 Series Processors servers due to limitations associated with the PLDM Firmware Package Upgrade. Ref customer advisory [a00119198en\\_us](#). For servers other than DL325 and DL385 Gen10 with AMD EPYC 7xx2 Series Processors, please use OS-independent FWPKG for PLDM firmware package updates after firmware version 5.61.

**Enhancements**

- o ESXi9.1 support

Online ROM Flash Component for VMware ESXi - HPE Smart Array P816i-a,P416ie-m,P408i-p, P408e-p, P408i-a,P408i-c,P204i-c,E208i-p, E208e-p, E208i-a, P208i-c SR Gen10

Version: 5.61 (F) (**Recommended**)

Filename: CP070871.compsig; CP070871.zip

**Important Note!**

- o FWPKG support for PLDM firmware upgrades was introduced. As a transition point, both OS-dependent, offline smart components and OS-independent FWPKG for PLDM firmware package updates were made available. From firmware versions later than 5.61, OS-dependent smart and offline components can only be used on DL325 and DL385 Gen10 with AMD EPYC 7xx2 Series Processors servers due to limitations associated with the PLDM Firmware Package Upgrade. Ref customer advisory [a00119198en\\_us](#). For servers other than DL325 and DL385 Gen10 with AMD EPYC 7xx2 Series Processors, please use OS-independent FWPKG for PLDM firmware package updates after firmware version 5.61.

**Enhancements**

- o ESXi9.1 support.

**Firmware - Storage Fibre Channel**

HPE Firmware Flash for Emulex Fibre Channel Host Bus Adapters for VMware vSphere 9.0

Version: 2026.04.01 (**Recommended**)

Filename: CP070312.compsig; CP070312.zip

**Important Note!**

**Release notes:**

[Broadcom Release notes](#)

This Firmware package contains following firmware versions:

Adapter	Speed	Universal Boot Image	Firmware	UEFI	Boot Bios
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HPE SN1200E 16Gb Dual Port Fibre Channel Host Bus Adapter	16Gb	14.4.731.5	14.4.731.5	14.4.716.0	14.4.718.0
HPE SN1200E 16Gb Single Port Fibre Channel Host Bus Adapter	16Gb	14.4.731.5	14.4.731.5	14.4.716.0	14.4.718.0
HPE SN1600E 32Gb Dual Port Fibre Channel Host Bus Adapter	32Gb	14.4.731.5	14.4.731.5	14.4.716.0	14.4.718.0
HPE SN1600E 32Gb Single Port Fibre Channel Host Bus Adapter	32Gb	14.4.731.5	14.4.731.5	14.4.716.0	14.4.718.0
HPE SN1610E 32Gb Single Port Fibre Channel Host Bus Adapter	32Gb	14.4.731.10	14.4.731.10	14.4.716.0	14.4.718.0
HPE SN1610E 32Gb Dual Port Fibre Channel Host Bus Adapter	32Gb	14.4.731.10	14.4.731.10	14.4.716.0	14.4.718.0
HPE SN1700E 64Gb Single Port Fibre Channel Host Bus Adapter	64Gb	14.4.731.10	14.4.731.10	14.4.716.0	14.4.718.0
HPE SN1700E 64Gb Dual Port Fibre Channel Host Bus Adapter	64Gb	14.4.731.10	14.4.731.10	14.4.716.0	14.4.718.0

Added Following Enhancements:

[Redfish]:HPE specific SFP Data - Predicted days for non working stage

[Redfish]: API to read SFP Data

Fixed the following:

SPDM - Get Certificate response returns out of bound values

### Prerequisites

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

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

### Fixes

Fixed the following:

SPDM - Get Certificate response returns out of bound values

### Enhancements

This Firmware package contains following firmware versions:

Adapter	Speed	Universal Boot Image	Firmware	UEFI	Boot Bios
HPE SN1200E 16Gb Dual Port Fibre Channel Host Bus Adapter	16Gb	14.4.731.5	14.4.731.5	14.4.716.0	14.4.718.0
HPE SN1200E 16Gb Single Port Fibre Channel Host Bus Adapter	16Gb	14.4.731.5	14.4.731.5	14.4.716.0	14.4.718.0
HPE SN1600E 32Gb Dual Port Fibre Channel Host Bus Adapter	32Gb	14.4.731.5	14.4.731.5	14.4.716.0	14.4.718.0
HPE SN1600E 32Gb Single Port Fibre Channel Host Bus Adapter	32Gb	14.4.731.5	14.4.731.5	14.4.716.0	14.4.718.0
HPE SN1610E 32Gb Single Port Fibre Channel Host Bus Adapter	32Gb	14.4.731.10	14.4.731.10	14.4.716.0	14.4.718.0
HPE SN1610E 32Gb Dual Port Fibre Channel Host Bus Adapter	32Gb	14.4.731.10	14.4.731.10	14.4.716.0	14.4.718.0
HPE SN1700E 64Gb Single Port Fibre Channel Host Bus Adapter	64Gb	14.4.731.10	14.4.731.10	14.4.716.0	14.4.718.0
HPE SN1700E 64Gb Dual Port Fibre Channel Host Bus Adapter	64Gb	14.4.731.10	14.4.731.10	14.4.716.0	14.4.718.0

Added Following Enhancements:

[Redfish]:HPE specific SFP Data - Predicted days for non working stage

[Redfish]: API to read SFP Data

### Supported Devices and Features

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

#### 16Gb FC Adapter:

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

#### 32Gb FC Adapter:

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

#### 64Gb FC Adapter:

- HPE SN1700E 64Gb Dual Port Fibre Channel Host Bus Adapter
- HPE SN1700E 64Gb Single Port Fibre Channel Host Bus Adapter

HPE Firmware Flash for QLogic Fibre Channel Host Bus Adapters for VMware vSphere 9.0 and vSphere 9.1  
Version: 2026.06.01 (**Recommended**)  
Filename: CP071246.compsig; CP071246.zip

### Important Note!

Release Notes:

[HPE QLogic Adapters Release Notes](#)

This Firmware package contains following firmware versions:

Adapter	Speed	MBI	Firmware	UEFI	Boot Bios
HPE SN1100Q 16GB Dual Port PCIe Fibre Channel Host Bus Adapter	16Gb	02.05.01	9.15.05	7.28	3.68
HPE SN1100Q 16GB Single Port PCIe Fibre Channel Host Bus Adapter	16Gb	02.05.01	9.15.05	7.28	3.68
HPE SN1600Q 32Gb Single Port Fibre Channel Host Bus Adapter	32Gb	02.05.01	9.15.05	7.28	3.68
HPE SN1600Q 32Gb Dual Port Fibre Channel Host Bus Adapter	32Gb	02.05.01	9.15.05	7.28	3.68
HPE SN1610Q 32Gb Dual Port Fibre Channel Host Bus Adapter	32Gb	02.11.13	09.15.19	7.39	NA
HPE SN1610Q 32Gb Single Port Fibre Channel Host Bus Adapter	32Gb	02.11.13	09.15.19	7.39	NA
HPE SN1700Q 64Gb Dual Port Fibre Channel Host Bus Adapter	64Gb	02.11.13	09.15.19	7.39	NA
HPE SN1700Q 64Gb Single Port Fibre Channel Host Bus Adapter	64Gb	02.11.13	09.15.19	7.39	NA

Fixed the following:

- o SN1610Q and SN1700Q Adapter disappears from integrated Lights Out (ILO) listing when its Small Form Factor Pluggable (SFP) transceiver is reinserted.
- o Vendor and Part Number Values are empty for Adapter port with 32G Amphenol Small Form Factor Pluggable (SFP) transceiver during Redfish SFP Read
- o SN1610Q adapter with FW 02.11.09 configured on RedHat Enterprise Linux; rhel messages file is filled with the following kernel messages like: "qla2xxx [0000:61:00.0]-706d:4: Unable to read SFP data (2/a0/0)"
- o HPE Firmware Flash for QLogic 32Gb and 64Gb Fibre Channel Host components doesn't complete the firmware flash.
- o HPE MBX CMD timeout and ISP Abort/Reset after SFP reinsertion.

## Prerequisites

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

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

## Fixes

Fixed the following:

- o SN1610Q and SN1700Q Adapter disappears from integrated Lights Out (ILO) listing when its Small Form Factor Pluggable (SFP) transceiver is reinserted.
- o Vendor and Part Number Values are empty for Adapter port with 32G Amphenol Small Form Factor Pluggable (SFP) transceiver during Redfish SFP Read
- o SN1610Q adapter with FW 02.11.09 configured on RedHat Enterprise Linux; rhel messages file is filled with the following kernel messages like: "qla2xxx [0000:61:00.0]-706d:4: Unable to read SFP data (2/a0/0)"
- o HPE Firmware Flash for QLogic 32Gb and 64Gb Fibre Channel Host components doesn't complete the firmware flash.
- o HPE MBX CMD timeout and ISP Abort/Reset after SFP reinsertion.

## Enhancements

This Firmware package contains following firmware versions:

Adapter	Speed	MBI	Firmware	UEFI	Boot Bios
HPE SN1100Q 16GB Dual Port PCIe Fibre Channel Host Bus Adapter	16Gb	02.05.01	9.15.05	7.28	3.68
HPE SN1100Q 16GB Single Port PCIe Fibre Channel Host Bus Adapter	16Gb	02.05.01	9.15.05	7.28	3.68
HPE SN1600Q 32Gb Single Port Fibre Channel Host Bus Adapter	32Gb	02.05.01	9.15.05	7.28	3.68
HPE SN1600Q 32Gb Dual Port Fibre Channel Host Bus Adapter	32Gb	02.05.01	9.15.05	7.28	3.68
HPE SN1610Q 32Gb Dual Port Fibre Channel Host Bus Adapter	32Gb	02.11.13	09.15.19	7.39	NA
HPE SN1610Q 32Gb Single Port Fibre Channel Host Bus Adapter	32Gb	02.11.13	09.15.19	7.39	NA
HPE SN1700Q 64Gb Dual Port Fibre Channel Host Bus Adapter	64Gb	02.11.13	09.15.19	7.39	NA
HPE SN1700Q 64Gb Single Port Fibre Channel Host Bus Adapter	64Gb	02.11.13	09.15.19	7.39	NA

## Supported Devices and Features

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

### 16Gb Fibre Channel Host Bus Adapter:

- o HPE SN1100Q 16GB Dual Port PCIe Fibre Channel Host Bus Adapter
- o HPE SN1100Q 16GB Single Port PCIe Fibre Channel Host Bus Adapter

### 32Gb Fibre Channel Host Bus Adapter:

- o HPE SN1600Q 32Gb Single Port Fibre Channel Host Bus Adapter
- o HPE SN1600Q 32Gb Dual Port Fibre Channel Host Bus Adapter
- o HPE SN1610Q 32Gb Dual Port Fibre Channel Host Bus Adapter
- o HPE SN1610Q 32Gb Single Port Fibre Channel Host Bus Adapter

### 64Gb Fibre Channel Host Bus Adapter:

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

## Software - Management

HPE iLO Driver Bundle Smart Component for ESXi 8.0 and ESXi 9.0

Version: 2026.03.00 (Recommended)

Filename: cp070019.compsig; cp070019.zip

## Enhancements

[Top](#)

Added support for vSphere 9.1 OS

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Smart Storage Administrator (SSA) CLI Smart Component for ESXi 9.1 for Gen10/Gen10 Plus/Gen11 Controllers  
Version: 2026.03.01 **(Recommended)**  
Filename: cp070854.compsig; cp070854.zip

**Important Note!**

- o Actual ESXi9.0 ssacli version is 6.60.11.0
- o **Due to VMware upgrade constraints, the SSA CLI package version (6.60.11) differs from the internal version (6.60.9). This is expected behavior.**

**Enhancements**

Initial version

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**Software - Storage Controller**

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HPE MegaRAID Storage Administrator StorCLI for VMware9.1 (For Gen10P and Gen11 Controllers)  
Version: 2026.03.01 **(Recommended)**  
Filename: cp070800.compsig; cp070800.zip

**Important Note!**

- o Actual ESXi Version is 0007.3604.0000.0000

**Fixes**

- o Fix an issue that storcli show /cx/ex/sx poh (power on hour) command report error on NVMe drives
- o Fix an issue that PSOC update is not allowing when the part number is beyond 65535

**Enhancements**

- o Return error when enabling encryption with 256 characters for keyid in Drive Security command
- o Display the controller serial number as "NA" when not programmed

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**Software - Storage Fibre Channel**

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HPE QLogic Fibre Channel driver component for VMware vSphere 9.1  
Version: 2026.04.01 **(Recommended)**  
Filename: cp070519.compsig; cp070519.zip

**Important Note!**

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 vibsdepot.hpe.com webpages, plus an HPE specific CPXXXX.xml file.  
This driver is only supported on VMware ESXi 9.1

**Prerequisites**

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

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

**Enhancements**

Driver version 91.5.5.86.0

This driver is only supported on VMware ESXi 9.1

**Supported Devices and Features**

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

**16Gb Fibre Channel Host Bus Adapter:**

- o HPE SN1100Q 16GB Dual Port PCIe Fibre Channel Host Bus Adapter
- o HPE SN1100Q 16GB Single Port PCIe Fibre Channel Host Bus Adapter

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

- o HPE SN1600Q 32Gb Single Port Fibre Channel Host Bus Adapter
- o HPE SN1600Q 32Gb Dual Port Fibre Channel Host Bus Adapter
- o HPE SN1610Q 32Gb Dual Port Fibre Channel Host Bus Adapter
- o HPE SN1610Q 32Gb Single Port Fibre Channel Host Bus Adapter

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

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

## Software - System Management

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HPE Agentless Management Bundle for ESXi for HPE Gen10 and Gen10 Plus Servers

Version: 802.11.13.0 (**Recommended**)

Filename: amsdComponent\_802.11.13.0.1-1.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 Gen10 and Gen10 Plus Servers

Version: 2026.03.01 (**Recommended**)

Filename: cp070839.compsig; cp070839.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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Integrated Smart Update Tools for VMware ESXi 8.0 and ESXi 9.0

Version: 800.6.7.0 (**Recommended**)

Filename: sutComponent\_800.6.7.0.26-0-signed\_component.zip

### Important Note!

Integrated Smart Update Tools for ESXi 8.0 and ESXi 9.0 which provides support for firmware and driver updates via iLO Repository

### Fixes

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

### Enhancements

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

**BIOS - System ROM**

ROM Flash Firmware Package - HPE Apollo 4200 Gen10/HPE ProLiant XL420 Gen10 (U39) Servers  
Version: 3.66\_04-01-2026 **(Optional)**  
Filename: U39\_3.66\_04\_01\_2026.fwpkg

**Important Note!****Important Notes:**

This version of the System ROM should be paired with Server Platform Services (SPS) Firmware 04.01.05.201.

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

**Deliverable Name:**

HPE Apollo 4200 Gen10/ProLiant XL420 Gen10 System ROM - U39

**Release Version:**

3.66\_04-01-2026

**Last Recommended or Critical Revision:**

3.64\_02-05-2026

**Previous Revision:**

3.64\_02-05-2026

**Firmware Dependencies:**

None

**Enhancements/New Features:**

Updated HPE branding logos across all boot screens (early POST, late POST, System Utility, and BGRT) to reflect the new HPE corporate identity.

Enabled "BIOS log to AHS every boot" by default after a ROM update; users can disable via RBSU.

**Problems Fixed:**

None

**Known Issues:**

None

**Enhancements****Important Notes:**

This version of the System ROM should be paired with Server Platform Services (SPS) Firmware 04.01.05.201.

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

**Firmware Dependencies:**

None

**Enhancements/New Features:**

Updated HPE branding logos across all boot screens (early POST, late POST, System Utility, and BGRT) to reflect the new HPE corporate identity.

Enabled "BIOS log to AHS every boot" by default after a ROM update; users can disable via RBSU.

**Known Issues:**

None

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ROM Flash Firmware Package - HPE Apollo 4510 Gen10/HPE ProLiant XL450 Gen10 (U40) Servers  
Version: 3.66\_04-01-2026 **(Optional)**  
Filename: U40\_3.66\_04\_01\_2026.fwpkg

## **Important Note!**

### **Important Notes:**

This version of the System ROM should be paired with Server Platform Services (SPS) Firmware 04.01.05.201.

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

### **Deliverable Name:**

HPE Apollo 4510 Gen10/HPE ProLiant XL450 Gen10 System ROM - U40

### **Release Version:**

3.66\_04-01-2026

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

3.64\_02-05-2026

### **Previous Revision:**

3.64\_02-05-2026

### **Firmware Dependencies:**

None

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

Updated HPE branding logos across all boot screens (early POST, late POST, System Utility, and BGRT) to reflect the new HPE corporate identity.

Enabled "BIOS log to AHS every boot" by default after a ROM update; users can disable via RBSU.

### **Problems Fixed:**

None

### **Known Issues:**

None

## **Enhancements**

### **Important Notes:**

This version of the System ROM should be paired with Server Platform Services (SPS) Firmware 04.01.05.201.

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

### **Firmware Dependencies:**

None

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

Updated HPE branding logos across all boot screens (early POST, late POST, System Utility, and BGRT) to reflect the new HPE corporate identity.

Enabled "BIOS log to AHS every boot" by default after a ROM update; users can disable via RBSU.

### **Known Issues:**

None

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ROM Flash Firmware Package - HPE ProLiant DL160 Gen10/DL180 Gen10 (U31) Servers

Version: 3.66\_04-01-2026 (**Optional**)

Filename: U31\_3.66\_04\_01\_2026.fwpkg

## **Important Note!**

### **Important Notes:**

This version of the System ROM should be paired with Server Platform Services (SPS) Firmware 04.01.05.201.

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

### **Deliverable Name:**

HPE ProLiant DL160 Gen10/DL180 Gen10 System ROM - U31

### **Release Version:**

3.66\_04-01-2026

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

3.64\_02-05-2026

### **Previous Revision:**

3.64\_02-05-2026

### **Firmware Dependencies:**

None

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

Updated HPE branding logos across all boot screens (early POST, late POST, System Utility, and BGRT) to reflect the new HPE corporate identity.

Enabled "BIOS log to AHS every boot" by default after a ROM update; users can disable via RBSU.

**Problems Fixed:**

None

**Known Issues:**

None

**Enhancements**

**Important Notes:**

This version of the System ROM should be paired with Server Platform Services (SPS) Firmware 04.01.05.201.

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

**Firmware Dependencies:**

None

**Enhancements/New Features:**

Updated HPE branding logos across all boot screens (early POST, late POST, System Utility, and BGRT) to reflect the new HPE corporate identity.

Enabled "BIOS log to AHS every boot" by default after a ROM update; users can disable via RBSU.

**Known Issues:**

None

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ROM Flash Firmware Package - HPE ProLiant DL20 Gen10 (U43) Servers  
Version: 3.74\_04-01-2026 (**Recommended**)  
Filename: U43\_3.74\_04\_01\_2026.fwpkg

**Important Note!**

**Important Notes:**

This version of the System ROM should be paired with Server Platform Services (SPS) Firmware 05.01.05.103.

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

**Deliverable Name:**

HPE ProLiant DL20 Gen10 System ROM - U43

**Release Version:**

3.74\_04-01-2026

**Last Recommended or Critical Revision:**

3.74\_04-01-2026

**Previous Revision:**

3.72\_01-09-2026

**Firmware Dependencies:**

None

**Enhancements/New Features:**

Updated HPE branding logos across all boot screens (early POST, late POST, System Utility, and BGRT) to reflect the new HPE corporate identity.

Enabled "BIOS log to AHS every boot" by default after a ROM update; users can disable via RBSU.

**Problems Fixed:**

Mitigates CVE-2024-38798 through an EDK2 fix that clears password keystroke buffers after entry to avoid potential information disclosure.

Addressed ESKM key generation/shortening issue to prevent SED unlock failures by validating/regenerating malformed keys.

Fixed Power Calibration retry handling bug that could prevent expected power calibration behavior when requested by iLO.

**Known Issues:**

None

**Fixes**

**Important Notes:**

This version of the System ROM should be paired with Server Platform Services (SPS) Firmware 05.01.05.103.

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:**

Mitigates CVE-2024-38798 through an EDK2 fix that clears password keystroke buffers after entry to avoid potential information disclosure.

Addressed ESKM key generation/shortening issue to prevent SED unlock failures by validating/regenerating malformed keys.

Fixed Power Calibration retry handling bug that could prevent expected power calibration behavior when requested by iLO.

**Known Issues:**

None

**Enhancements**

Updated HPE branding logos across all boot screens (early POST, late POST, System Utility, and BGRT) to reflect the new HPE corporate identity.

Enabled "BIOS log to AHS every boot" by default after a ROM update; users can disable via RBSU.

---

ROM Flash Firmware Package - HPE ProLiant DL20 Gen10 Plus Servers

Version: 2.64\_04-01-2026 (**Recommended**)

Filename: U60\_2.64\_04\_01\_2026.fwpkg

**Important Note!**

**Important Notes:**

None

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

**Deliverable Name:**

HPE System ROM - U60

**Release Version:**

2.64\_04-01-2026

**Last Recommended or Critical Revision:**

2.62\_03-05-2026

**Previous Revision:**

2.62\_03-05-2026

**Firmware Dependencies:**

None

**Enhancements/New Features:**

Updated HPE branding logos across all boot screens (early POST, late POST, System Utility, and BGRT) to reflect the new HPE corporate identity.

Added multi-language translation support for Chinese and Japanese in RBSU setup menus.

**Problems Fixed:**

Addressed an issue where ESKM (Enterprise Secure Key Manager) server keys could be generated with invalid bytes, potentially causing Self-Encrypting Drive (SED) unlock failures. Keys are now validated upon generation and corrected during drive unlock operations if previously affected.

**Known Issues:**

None

**Fixes**

**Important Notes:**

None

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 ESKM (Enterprise Secure Key Manager) server keys could be generated with invalid bytes, potentially causing Self-Encrypting Drive (SED) unlock failures. Keys are now validated upon generation and corrected during drive unlock operations if previously affected.

**Known Issues:**

None

**Enhancements**

Updated HPE branding logos across all boot screens (early POST, late POST, System Utility, and BGRT) to reflect the new HPE corporate identity.

Added multi-language translation support for Chinese and Japanese in RBSU setup menus.

---

ROM Flash Firmware Package - HPE ProLiant DL325 Gen10 (A41) Servers

Version: 3.72\_04-01-2026 (**Optional**)

Filename: A41\_3.72\_04\_01\_2026.fwpkg

**Important Note!**

**Important Notes:**

This revision of the System ROM includes AMD reference code RomePI 1.0.0.P for AMD 2nd Generation EPYC processors. This revision of the System ROM includes AMD reference code NaplesPI 1.0.0.S for AMD 1st Generation EPYC processors.

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

**Deliverable Name:**

HPE ProLiant DL325 Gen10 System ROM - A41

**Release Version:**

3.72\_04-01-2026

**Last Recommended or Critical Revision:**

3.70\_01-09-2026

**Previous Revision:**

3.70\_01-09-2026

**Firmware Dependencies:**

None

**Enhancements/New Features:**

Updated HPE branding logos across all boot screens (early POST, late POST, System Utility, and BGRT) to reflect the new HPE corporate identity.

**Problems Fixed:**

None

**Known Issues:**

None

**Enhancements****Important Notes:**

This revision of the System ROM includes AMD reference code RomePI 1.0.0.P for AMD 2nd Generation EPYC processors. This revision of the System ROM includes AMD reference code NaplesPI 1.0.0.S for AMD 1st Generation EPYC processors.

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

**Firmware Dependencies:**

None

**Enhancements/New Features:**

Updated HPE branding logos across all boot screens (early POST, late POST, System Utility, and BGRT) to reflect the new HPE corporate identity.

**Known Issues:**

None

---

ROM Flash Firmware Package - HPE ProLiant DL360 Gen10 (U32) Servers

Version: 3.66\_04-01-2026 **(Optional)**

Filename: U32\_3.66\_04\_01\_2026.fwpkg

**Important Note!****Important Notes:**

This version of the System ROM should be paired with Server Platform Services (SPS) Firmware 04.01.05.201.

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

**Deliverable Name:**

HPE ProLiant DL360 Gen10 System ROM - U32

**Release Version:**

3.66\_04-01-2026

**Last Recommended or Critical Revision:**

3.64\_02-05-2026

**Previous Revision:**

3.64\_02-05-2026

**Firmware Dependencies:**

None

**Enhancements/New Features:**

Updated HPE branding logos across all boot screens (early POST, late POST, System Utility, and BGRT) to reflect the new HPE corporate identity.

Enabled "BIOS log to AHS every boot" by default after a ROM update; users can disable via RBSU.

**Problems Fixed:**

None

**Known Issues:**

None

**Enhancements**

**Important Notes:**

This version of the System ROM should be paired with Server Platform Services (SPS) Firmware 04.01.05.201.

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

**Firmware Dependencies:**

None

**Enhancements/New Features:**

Updated HPE branding logos across all boot screens (early POST, late POST, System Utility, and BGRT) to reflect the new HPE corporate identity.

Enabled "BIOS log to AHS every boot" by default after a ROM update; users can disable via RBSU.

**Known Issues:**

None

---

ROM Flash Firmware Package - HPE ProLiant DL380 Gen10 (U30) Servers

Version: 3.66\_04-01-2026 (**Optional**)

Filename: U30\_3.66\_04\_01\_2026.fwpkg

**Important Note!**

**Important Notes:**

This version of the System ROM should be paired with Server Platform Services (SPS) Firmware 04.01.05.201.

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

**Deliverable Name:**

HPE System ROM - U30

**Release Version:**

3.66\_04-01-2026

**Last Recommended or Critical Revision:**

3.64\_02-05-2026

**Previous Revision:**

3.64\_02-05-2026

**Firmware Dependencies:**

None

**Enhancements/New Features:**

Updated HPE branding logos across all boot screens (early POST, late POST, System Utility, and BGRT) to reflect the new HPE corporate identity.

Enabled "BIOS log to AHS every boot" by default after a ROM update; users can disable via RBSU.

**Problems Fixed:**

None

**Known Issues:**

None

**Enhancements**

**Important Notes:**

This version of the System ROM should be paired with Server Platform Services (SPS) Firmware 04.01.05.201.

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

**Firmware Dependencies:**

None

**Enhancements/New Features:**

Updated HPE branding logos across all boot screens (early POST, late POST, System Utility, and BGRT) to reflect the new HPE corporate identity.

Enabled "BIOS log to AHS every boot" by default after a ROM update; users can disable via RBSU.

**Known Issues:**

None

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ROM Flash Firmware Package - HPE ProLiant DL385 Gen10 (A40) Servers  
Version: 3.72\_04-01-2026 **(Optional)**  
Filename: A40\_3.72\_04\_01\_2026.fwpkg

### **Important Note!**

#### **Important Notes:**

This revision of the System ROM includes AMD reference code RomePI 1.0.0.P for AMD 2nd Generation EPYC processors. This revision of the System ROM includes AMD reference code NaplesPI 1.0.0.S for AMD 1st Generation EPYC processors.

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

#### **Deliverable Name:**

HPE DL385 Gen10 System ROM - A40

#### **Release Version:**

3.72\_04-01-2026

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

3.70\_01-09-2026

#### **Previous Revision:**

3.70\_01-09-2026

#### **Firmware Dependencies:**

None

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

Updated HPE branding logos across all boot screens (early POST, late POST, System Utility, and BGRT) to reflect the new HPE corporate identity.

#### **Problems Fixed:**

None

#### **Known Issues:**

None

### **Enhancements**

#### **Important Notes:**

This revision of the System ROM includes AMD reference code RomePI 1.0.0.P for AMD 2nd Generation EPYC processors. This revision of the System ROM includes AMD reference code NaplesPI 1.0.0.S for AMD 1st Generation EPYC processors.

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

#### **Firmware Dependencies:**

None

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

Updated HPE branding logos across all boot screens (early POST, late POST, System Utility, and BGRT) to reflect the new HPE corporate identity.

#### **Known Issues:**

None

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ROM Flash Firmware Package - HPE ProLiant DL560 Gen10/DL580 Gen10 (U34) Servers  
Version: 3.66\_04-01-2026 **(Optional)**  
Filename: U34\_3.66\_04\_01\_2026.fwpkg

### **Important Note!**

#### **Important Notes:**

This version of the System ROM should be paired with Server Platform Services (SPS) Firmware 04.01.05.201.

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

#### **Deliverable Name:**

HPE ProLiant DL560 Gen10/DL580 Gen10 System ROM - U34

#### **Release Version:**

3.66\_04-01-2026

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

3.64\_02-05-2026

#### **Previous Revision:**

3.64\_02-05-2026

#### **Firmware Dependencies:**

None

**Enhancements/New Features:**

Updated HPE branding logos across all boot screens (early POST, late POST, System Utility, and BGRT) to reflect the new HPE corporate identity.  
Enabled "BIOS log to AHS every boot" by default after a ROM update; users can disable via RBSU.

**Problems Fixed:**

None

**Known Issues:**

None

**Enhancements****Important Notes:**

This version of the System ROM should be paired with Server Platform Services (SPS) Firmware 04.01.05.201.

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

**Firmware Dependencies:**

None

**Enhancements/New Features:**

Updated HPE branding logos across all boot screens (early POST, late POST, System Utility, and BGRT) to reflect the new HPE corporate identity.  
Enabled "BIOS log to AHS every boot" by default after a ROM update; users can disable via RBSU.

**Known Issues:**

None

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ROM Flash Firmware Package - HPE ProLiant MicroServer Gen10 Plus v2 (U64) Servers  
Version: 2.64\_04-01-2026 (**Recommended**)  
Filename: U64\_2.64\_04\_01\_2026.fwpkg

**Important Note!****Important Notes:**

None

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

**Deliverable Name:**

HPE ProLiant MicroServer Gen10 Plus v2 System ROM - U64

**Release Version:**

2.64\_04-01-2026

**Last Recommended or Critical Revision:**

2.62\_03-05-2026

**Previous Revision:**

2.62\_03-05-2026

**Firmware Dependencies:**

None

**Enhancements/New Features:**

Updated HPE branding logos across all boot screens (early POST, late POST, System Utility, and BGRT) to reflect the new HPE corporate identity.  
Added multi-language translation support for Chinese and Japanese in RBSU setup menus.

**Problems Fixed:**

Addressed an issue where ESKM (Enterprise Secure Key Manager) server keys could be generated with invalid bytes, potentially causing Self-Encrypting Drive (SED) unlock failures. Keys are now validated upon generation and corrected during drive unlock operations if previously affected.

**Known Issues:**

None

**Fixes****Important Notes:**

None

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 ESKM (Enterprise Secure Key Manager) server keys could be generated with invalid bytes, potentially causing Self-Encrypting Drive (SED) unlock failures. Keys are now validated upon generation and corrected during drive unlock operations if previously affected.

**Known Issues:**

None

**Enhancements**

Updated HPE branding logos across all boot screens (early POST, late POST, System Utility, and BGRT) to reflect the new HPE corporate identity.

Added multi-language translation support for Chinese and Japanese in RBSU setup menus.

ROM Flash Firmware Package - HPE ProLiant ML110 Gen10 (U33) Servers

Version: 3.66\_04-01-2026 (**Optional**)

Filename: U33\_3.66\_04\_01\_2026.fwpkg

**Important Note!**

**Important Notes:**

This version of the System ROM should be paired with Server Platform Services (SPS) Firmware 04.01.05.201.

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

**Deliverable Name:**

HPE ProLiant ML110 Gen10 System ROM - U33

**Release Version:**

3.66\_04-01-2026

**Last Recommended or Critical Revision:**

3.64\_02-05-2026

**Previous Revision:**

3.64\_02-05-2026

**Firmware Dependencies:**

None

**Enhancements/New Features:**

Updated HPE branding logos across all boot screens (early POST, late POST, System Utility, and BGRT) to reflect the new HPE corporate identity.

Enabled "BIOS log to AHS every boot" by default after a ROM update; users can disable via RBSU.

**Problems Fixed:**

None

**Known Issues:**

None

**Enhancements**

**Important Notes:**

This version of the System ROM should be paired with Server Platform Services (SPS) Firmware 04.01.05.201.

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

**Firmware Dependencies:**

None

**Enhancements/New Features:**

Updated HPE branding logos across all boot screens (early POST, late POST, System Utility, and BGRT) to reflect the new HPE corporate identity.

Enabled "BIOS log to AHS every boot" by default after a ROM update; users can disable via RBSU.

**Known Issues:**

None

ROM Flash Firmware Package - HPE ProLiant ML30 Gen10 (U44) Servers

Version: 3.74\_04-01-2026 (**Recommended**)

Filename: U44\_3.74\_04\_01\_2026.fwpkg

**Important Note!**

**Important Notes:**

This version of the System ROM should be paired with Server Platform Services (SPS) Firmware 05.01.05.103.

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

**Deliverable Name:**

HPE ProLiant ML30 Gen10 System ROM - U44

**Release Version:**

3.74\_04-01-2026

**Last Recommended or Critical Revision:**

3.74\_04-01-2026

**Previous Revision:**

3.72\_01-09-2026

**Firmware Dependencies:**

None

**Enhancements/New Features:**

Updated HPE branding logos across all boot screens (early POST, late POST, System Utility, and BGRT) to reflect the new HPE corporate identity.

Enabled "BIOS log to AHS every boot" by default after a ROM update; users can disable via RBSU.

**Problems Fixed:**

Mitigates CVE-2024-38798 through an EDK2 fix that clears password keystroke buffers after entry to avoid potential information disclosure.

Addressed ESKM key generation/shortening issue to prevent SED unlock failures by validating/regenerating malformed keys.

Fixed Power Calibration retry handling bug that could prevent expected power calibration behavior when requested by iLO.

**Known Issues:**

None

**Fixes**

**Important Notes:**

This version of the System ROM should be paired with Server Platform Services (SPS) Firmware 05.01.05.103.

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:**

Mitigates CVE-2024-38798 through an EDK2 fix that clears password keystroke buffers after entry to avoid potential information disclosure.

Addressed ESKM key generation/shortening issue to prevent SED unlock failures by validating/regenerating malformed keys.

Fixed Power Calibration retry handling bug that could prevent expected power calibration behavior when requested by iLO.

**Known Issues:**

None

**Enhancements**

Updated HPE branding logos across all boot screens (early POST, late POST, System Utility, and BGRT) to reflect the new HPE corporate identity.

Enabled "BIOS log to AHS every boot" by default after a ROM update; users can disable via RBSU.

---

ROM Flash Firmware Package - HPE ProLiant ML30 Gen10 Plus Servers

Version: 2.64\_04-01-2026 (**Recommended**)

Filename: U61\_2.64\_04\_01\_2026.fwpkg

**Important Note!**

**Important Notes:**

None

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

**Deliverable Name:**

HPE ProLiant ML30 Gen10 Plus System ROM - U61

**Release Version:**

2.64\_04-01-2026

**Last Recommended or Critical Revision:**

2.62\_03-05-2026

**Previous Revision:**

2.62\_03-05-2026

**Firmware Dependencies:**

None

**Enhancements/New Features:**

Updated HPE branding logos across all boot screens (early POST, late POST, System Utility, and BGRT) to reflect the new HPE corporate identity.

Added multi-language translation support for Chinese and Japanese in RBSU setup menus.

**Problems Fixed:**

Addressed an issue where ESKM (Enterprise Secure Key Manager) server keys could be generated with invalid bytes, potentially causing Self-Encrypting Drive (SED) unlock failures. Keys are now validated upon generation and corrected during drive unlock operations if previously affected.

**Known Issues:**

None

**Fixes****Important Notes:**

None

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 ESKM (Enterprise Secure Key Manager) server keys could be generated with invalid bytes, potentially causing Self-Encrypting Drive (SED) unlock failures. Keys are now validated upon generation and corrected during drive unlock operations if previously affected.

**Known Issues:**

None

**Enhancements**

Updated HPE branding logos across all boot screens (early POST, late POST, System Utility, and BGRT) to reflect the new HPE corporate identity.

Added multi-language translation support for Chinese and Japanese in RBSU setup menus.

---

ROM Flash Firmware Package - HPE ProLiant ML350 Gen10 (U41) Servers

Version: 3.66\_04-01-2026 **(Optional)**

Filename: U41\_3.66\_04\_01\_2026.fwpkg

**Important Note!****Important Notes:**

This version of the System ROM should be paired with Server Platform Services (SPS) Firmware 04.01.05.201.

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

**Deliverable Name:**

HPE ProLiant ML350 Gen10 System ROM - U41

**Release Version:**

3.66\_04-01-2026

**Last Recommended or Critical Revision:**

3.64\_02-05-2026

**Previous Revision:**

3.64\_02-05-2026

**Firmware Dependencies:**

None

**Enhancements/New Features:**

Updated HPE branding logos across all boot screens (early POST, late POST, System Utility, and BGRT) to reflect the new HPE corporate identity.

Enabled "BIOS log to AHS every boot" by default after a ROM update; users can disable via RBSU.

**Problems Fixed:**

None

**Known Issues:**

None

**Enhancements****Important Notes:**

This version of the System ROM should be paired with Server Platform Services (SPS) Firmware 04.01.05.201.

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

**Firmware Dependencies:**

None

**Enhancements/New Features:**

Updated HPE branding logos across all boot screens (early POST, late POST, System Utility, and BGRT) to reflect the new HPE corporate identity.

Enabled "BIOS log to AHS every boot" by default after a ROM update; users can disable via RBSU.

**Known Issues:**

None

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ROM Flash Universal Firmware Package - HPE ProLiant DL325/DL325 v2/DL345 Gen10 Plus (A43) Servers

Version: 4.04\_04-02-2026 (**Recommended**)

Filename: A43\_4.04\_04\_02\_2026.fwpkg

**Important Note!****Important Notes:**

This revision of the System ROM includes AMD reference code MilanPI 1.0.0.J for AMD 3rd Generation EPYC processors. This revision of the System ROM includes AMD reference code RomePI 1.0.0.P for AMD 2nd Generation EPYC processors.

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

**Deliverable Name:**

HPE ProLiant DL325/DL325 v2/DL345 Gen10 Plus System ROM - A43

**Release Version:**

4.04\_04-02-2026

**Last Recommended or Critical Revision:**

4.04\_04-02-2026

**Previous Revision:**

4.02\_03-05-2026

**Firmware Dependencies:**

None

**Enhancements/New Features:**

Updated HPE branding logos across all boot screens (early POST, late POST, System Utility GUI and text modes, and BGRT) to reflect the new HPE corporate identity. AMD ABL binaries updated to display the new logo in quiet mode.

Added multi-language support (Chinese and Japanese) for RBSU setup menus and System Utility.

Enabled "BIOS log to AHS every boot" by default after a ROM update; users can disable this setting through RBSU if desired. The setting is also re-enabled when loading system defaults.

**Problems Fixed:**

Addressed an issue where ESKM (Enterprise Secure Key Manager) server keys could be generated with invalid bytes, potentially causing Self-Encrypting Drive (SED) unlock failures. Keys are now validated upon generation and corrected during drive unlock operations if previously affected.

**Known Issues:**

None

**Fixes****Important Notes:**

This revision of the System ROM includes AMD reference code MilanPI 1.0.0.J for AMD 3rd Generation EPYC processors. This revision of the System ROM includes AMD reference code RomePI 1.0.0.P for AMD 2nd Generation EPYC processors.

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 ESKM (Enterprise Secure Key Manager) server keys could be generated with invalid bytes, potentially causing Self-Encrypting Drive (SED) unlock failures. Keys are now validated upon generation and corrected during drive unlock operations if previously affected.

**Known Issues:**

None

**Enhancements**

Updated HPE branding logos across all boot screens (early POST, late POST, System Utility GUI and text modes, and BGRT) to reflect the new HPE corporate identity. AMD ABL binaries updated to display the new logo in quiet mode.

Added multi-language support (Chinese and Japanese) for RBSU setup menus and System Utility.

Enabled "BIOS log to AHS every boot" by default after a ROM update; users can disable this setting through RBSU if desired. The setting is also re-enabled when loading system defaults.

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ROM Flash Universal Firmware Package - HPE ProLiant DL360/DL380 Gen10 Plus (U46) Servers  
Version: 2.64\_04-01-2026 (**Optional**)  
Filename: U46\_2.64\_04\_01\_2026.fwpkg

### **Important Note!**

#### **Important Notes:**

This version of the System ROM should be paired with Server Platform Services (SPS) Firmware 04.04.04.925 (2.60\_12\_05\_2025).

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

#### **Deliverable Name:**

HPE ProLiant DL360/DL380 Gen10 Plus System ROM - U46

#### **Release Version:**

2.64\_04-01-2026

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

2.62\_03-05-2026

#### **Previous Revision:**

2.62\_03-05-2026

#### **Firmware Dependencies:**

None

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

Updated HPE branding logos across all boot screens (early POST, late POST, System Utility, and BGRT) to reflect the new HPE corporate identity.

Added multi-language translation support for Chinese and Japanese in RBSU setup menus and Factory Options.

Enabled BIOS log to AHS every boot by default after a ROM update. Users can disable this setting through RBSU if desired.

#### **Problems Fixed:**

Addressed an issue where ESKM (Enterprise Secure Key Manager) server keys could be generated with invalid bytes, potentially causing Self-Encrypting Drive (SED) unlock failures. Keys are now validated upon generation and corrected during drive unlock operations if previously affected.

#### **Known Issues:**

None

### **Fixes**

#### **Important Notes:**

This version of the System ROM should be paired with Server Platform Services (SPS) Firmware 04.04.04.925 (2.60\_12\_05\_2025).

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 ESKM (Enterprise Secure Key Manager) server keys could be generated with invalid bytes, potentially causing Self-Encrypting Drive (SED) unlock failures. Keys are now validated upon generation and corrected during drive unlock operations if previously affected.

#### **Known Issues:**

None

### **Enhancements**

Updated HPE branding logos across all boot screens (early POST, late POST, System Utility, and BGRT) to reflect the new HPE corporate identity.

Added multi-language translation support for Chinese and Japanese in RBSU setup menus and Factory Options.

Enabled BIOS log to AHS every boot by default after a ROM update. Users can disable this setting through RBSU if desired.

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ROM Flash Universal Firmware Package - HPE ProLiant DL365/DL385/DL385 v2 Gen10 Plus (A42) Servers

Version: 4.04\_04-02-2026 (**Recommended**)

Filename: A42\_4.04\_04\_02\_2026.fwpkg

### **Important Note!**

#### **Important Notes:**

This revision of the System ROM includes AMD reference code MilanPI 1.0.0.J for AMD 3rd Generation EPYC processors. This revision of the System ROM includes AMD reference code RomePI 1.0.0.P for AMD 2nd Generation EPYC processors.

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

#### **Deliverable Name:**

HPE System ROM - A42

**Release Version:**

4.04\_04-02-2026

**Last Recommended or Critical Revision:**

4.04\_04-02-2026

**Previous Revision:**

4.02\_03-05-2026

**Firmware Dependencies:**

None

**Enhancements/New Features:**

Updated HPE branding logos across all boot screens (early POST, late POST, System Utility GUI and text modes, and BGRT) to reflect the new HPE corporate identity. AMD ABL binaries updated to display the new logo in quiet mode.

Added multi-language support (Chinese and Japanese) for RBSU setup menus and System Utility.

Enabled "BIOS log to AHS every boot" by default after a ROM update; users can disable this setting through RBSU if desired. The setting is also re-enabled when loading system defaults.

**Problems Fixed:**

Addressed an issue where ESKM (Enterprise Secure Key Manager) server keys could be generated with invalid bytes, potentially causing Self-Encrypting Drive (SED) unlock failures. Keys are now validated upon generation and corrected during drive unlock operations if previously affected.

**Known Issues:**

None

**Fixes****Important Notes:**

This revision of the System ROM includes AMD reference code MilanPI 1.0.0.J for AMD 3rd Generation EPYC processors. This revision of the System ROM includes AMD reference code RomePI 1.0.0.P for AMD 2nd Generation EPYC processors.

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 ESKM (Enterprise Secure Key Manager) server keys could be generated with invalid bytes, potentially causing Self-Encrypting Drive (SED) unlock failures. Keys are now validated upon generation and corrected during drive unlock operations if previously affected.

**Known Issues:**

None

**Enhancements**

Updated HPE branding logos across all boot screens (early POST, late POST, System Utility GUI and text modes, and BGRT) to reflect the new HPE corporate identity. AMD ABL binaries updated to display the new logo in quiet mode.

Added multi-language support (Chinese and Japanese) for RBSU setup menus and System Utility.

Enabled "BIOS log to AHS every boot" by default after a ROM update; users can disable this setting through RBSU if desired. The setting is also re-enabled when loading system defaults.

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**Driver - Lights-Out Management**

HPE iLO Native Driver for ESXi 8.0 and ESXi 9.0

Version: 10.9.1 (**Recommended**)

Filename: ilo-driver\_800.10.9.1.4-1OEM.800.1.0.20613240.zip

[Top](#)**Fixes**

Implement MSI interrupt in the ilo driver to fix PSOD due to interrupt storm and to fix snmpwalk delays.

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