

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](#)

Gen10 SPP 2026.09.00.00 Release Notes for VMware ESXi 8.0 U3

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ROM Flash Firmware Package - HPE Apollo 4200 Gen10/HPE ProLiant XL420 Gen10 (U39) Servers Version: 3.70_08-19-2026

(Recommended)

Filename: U39_3.70_08_19_2026.fwpkg

Important Note!

Important Notes:

This version of the System ROM contains updates aligned with the Intel Purley IPU2026.3 update. This version of the System ROM should be paired with Server Platform Services (SPS) Firmware 04.01.05.312.

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:

3.70_08-19-2026

Last Recommended or Critical Revision:

3.70_08-19-2026

Previous Revision:

3.68_07-23-2026

Firmware Dependencies:

None

Enhancements/New Features:

Updated multi-language translations for Secure Boot configuration settings in RBSU.

Problems Fixed:

Addressed an issue where Secure Boot key auto-enrollment was not triggered after using "Reset all keys to platform defaults" in RBSU on systems with OEM Secure Boot customization, leaving the system without the expected default keys after reset.

Addressed an issue where the Secure Boot Auto Enroll Policy setting configured via the Redfish API was not correctly synchronized with the corresponding RBSU setting, and changes made in RBSU were not reflected in Redfish.

Addressed an issue where the embedded diagnostic tool could fail to communicate with the internal REST client interface due to a parameter compatibility difference between Gen10 and Gen10 Plus platforms.

Addressed a security vulnerability (CVE-2026-20712) related to Memory Overwrite Request (MOR) handling during boot where the MOR variable may not have been checked under certain platform configurations.

Addressed an issue where the Advanced Memory Test could fail to re-enable memory self-refresh after a test pause, potentially causing memory test failures or unexpected results during extended memory diagnostics.

Known Issues:

None

Fixes

Important Notes:

This version of the System ROM contains updates aligned with the Intel Purley IPU2026.3 update. This version of the System ROM should be paired with Server Platform Services (SPS) Firmware 04.01.05.312.

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 Secure Boot key auto-enrollment was not triggered after using "Reset all keys to platform defaults" in RBSU on systems with OEM Secure Boot customization, leaving the system without the expected default keys after reset.

Addressed an issue where the Secure Boot Auto Enroll Policy setting configured via the Redfish API was not correctly synchronized with the corresponding RBSU setting, and changes made in RBSU were not reflected in Redfish.

Addressed an issue where the embedded diagnostic tool could fail to communicate with the internal REST client interface due to a parameter compatibility difference between Gen10 and Gen10 Plus platforms.

Addressed a security vulnerability (CVE-2026-20712) related to Memory Overwrite Request (MOR) handling during boot where the MOR variable may not have been checked under certain platform configurations.

Addressed an issue where the Advanced Memory Test could fail to re-enable memory self-refresh after a test pause, potentially causing memory test failures or unexpected results during extended memory diagnostics.

Known Issues:

None

Enhancements

Implemented improvements to enhance user experience and optimize functionality.

ROM Flash Firmware Package - HPE Apollo 4510 Gen10/HPE ProLiant XL450 Gen10 (U40) Servers

Version: 3.70_08-19-2026 (**Recommended**)

Filename: U40_3.70_08_19_2026.fwpkg

Important Note!

Important Notes:

This version of the System ROM contains updates aligned with the Intel Purley IPU2026.3 update. This version of the System ROM should be paired with Server Platform Services (SPS) Firmware 04.01.05.312.

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:

3.70_08-19-2026

Last Recommended or Critical Revision:

3.70_08-19-2026

Previous Revision:

3.68_07-23-2026

Firmware Dependencies:

None

Enhancements/New Features:

Updated multi-language translations for Secure Boot configuration settings in RBSU.

Problems Fixed:

Addressed an issue where Secure Boot key auto-enrollment was not triggered after using "Reset all keys to platform defaults" in RBSU on systems with OEM Secure Boot customization, leaving the system without the expected default keys after reset.

Addressed an issue where the Secure Boot Auto Enroll Policy setting configured via the Redfish API was not correctly synchronized with the corresponding RBSU setting, and changes made in RBSU were not reflected in Redfish.

Addressed an issue where the embedded diagnostic tool could fail to communicate with the internal REST client interface due to a parameter compatibility difference between Gen10 and Gen10 Plus platforms.

Addressed a security vulnerability (CVE-2026-20712) related to Memory Overwrite Request (MOR) handling during boot where the MOR variable may not have been checked under certain platform configurations.

Addressed an issue where the Advanced Memory Test could fail to re-enable memory self-refresh after a test pause, potentially causing memory test failures or unexpected results during extended memory diagnostics.

Known Issues:

None

Fixes

Important Notes:

This version of the System ROM contains updates aligned with the Intel Purley IPU2026.3 update. This version of the System ROM should be paired with Server Platform Services (SPS) Firmware 04.01.05.312.

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 Secure Boot key auto-enrollment was not triggered after using "Reset all keys to platform defaults" in RBSU on systems with OEM Secure Boot customization, leaving the system without the expected default keys after reset.

Addressed an issue where the Secure Boot Auto Enroll Policy setting configured via the Redfish API was not correctly synchronized with the corresponding RBSU setting, and changes made in RBSU were not reflected in Redfish.

Addressed an issue where the embedded diagnostic tool could fail to communicate with the internal REST client interface due to a parameter compatibility difference between Gen10 and Gen10 Plus platforms.

Addressed a security vulnerability (CVE-2026-20712) related to Memory Overwrite Request (MOR) handling during boot where the MOR variable may not have been checked under certain platform configurations.

Addressed an issue where the Advanced Memory Test could fail to re-enable memory self-refresh after a test pause, potentially causing memory test failures or unexpected results during extended memory diagnostics.

Known Issues:

None

Enhancements

Updated multi-language translations for Secure Boot configuration settings in RBSU.

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

Version: 3.70_08-19-2026 (**Recommended**)

Filename: U31_3.70_08_19_2026.fwpkg

Important Note!

Important Notes:

This version of the System ROM contains updates aligned with the Intel Purley IPU2026.3 update. This version of the System ROM should be paired with Server Platform Services (SPS) Firmware 04.01.05.312.

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:

3.70_08-19-2026

Last Recommended or Critical Revision:

3.70_08-19-2026

Previous Revision:

3.68_07-23-2026

Firmware Dependencies:

None

Enhancements/New Features:

Updated multi-language translations for Secure Boot configuration settings in RBSU.

Problems Fixed:

Addressed an issue where Secure Boot key auto-enrollment was not triggered after using "Reset all keys to platform defaults" in RBSU on systems with OEM Secure Boot customization, leaving the system without the expected default keys after reset.

Addressed an issue where the Secure Boot Auto Enroll Policy setting configured via the Redfish API was not correctly synchronized with the corresponding RBSU setting, and changes made in RBSU were not reflected in Redfish.

Addressed an issue where the embedded diagnostic tool could fail to communicate with the internal REST client interface due to a parameter compatibility difference between Gen10 and Gen10 Plus platforms.

Addressed a security vulnerability (CVE-2026-20712) related to Memory Overwrite Request (MOR) handling during boot where the MOR variable may not have been checked under certain platform configurations.

Addressed an issue where the Advanced Memory Test could fail to re-enable memory self-refresh after a test pause, potentially causing memory test failures or unexpected results during extended memory diagnostics.

Known Issues:

None

Fixes

Important Notes:

This version of the System ROM contains updates aligned with the Intel Purley IPU2026.3 update. This version of the System ROM should be paired with Server Platform Services (SPS) Firmware 04.01.05.312.

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 Secure Boot key auto-enrollment was not triggered after using "Reset all keys to platform defaults" in RBSU on systems with OEM Secure Boot customization, leaving the system without the expected default keys after reset.

Addressed an issue where the Secure Boot Auto Enroll Policy setting configured via the Redfish API was not correctly synchronized with the corresponding RBSU setting, and changes made in RBSU were not reflected in Redfish.

Addressed an issue where the embedded diagnostic tool could fail to communicate with the internal REST client interface due to a parameter compatibility difference between Gen10 and Gen10 Plus platforms.

Addressed a security vulnerability (CVE-2026-20712) related to Memory Overwrite Request (MOR) handling during boot where the MOR variable may not have been checked under certain platform configurations.

Addressed an issue where the Advanced Memory Test could fail to re-enable memory self-refresh after a test pause, potentially causing memory test failures or unexpected results during extended memory diagnostics.

Known Issues:

None

Enhancements

Updated multi-language translations for Secure Boot configuration settings in RBSU.

ROM Flash Firmware Package - HPE ProLiant DL20 Gen10 (U43) Servers

Version: 3.76_05-28-2026 (**Optional**)

Filename: U43_3.76_05_28_2026.fwpkg

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:

Resolved a security vulnerability where a NULL pointer dereference could cause a system crash during boot if an internal memory allocation failed during the ExitBootServices or boot option launch sequence.

Addressed an issue where the Minimum Processor Idle Power Core C-State and Minimum Processor Idle Power Package C-State options were not appearing in System Configuration (RBSU) under Power and Performance Options on ML30 Gen10 and DL20 Gen10 platforms.

Known Issues:

None

Enhancements

Improved BIOS debug log diagnostics by including POST code events, boot target OS information, and RTC timestamps for enhanced triage support.

Enabled medium-level debug message logging for shared memory and CHIF methods, aligning Gen10 Active Health System (AHS) log collection with Gen10 Plus and later platforms.

ROM Flash Firmware Package - HPE ProLiant DL20 Gen10 Plus Servers

Version: 2.70_08-20-2026 (**Recommended**)

Filename: U60_2.70_08_20_2026.fwpkg

Important Note!

Important Notes:

This version of the System ROM contains updates aligned with the Intel Tatlow IPU2026.3 update. This version of the System ROM should be paired with Server Platform Services (SPS) Firmware 06.00.03.708. Note: Updating the System ROM does not automatically update the Secure Boot Forbidden Signature Database (dbx). To apply the updated dbx included in this release, reset the dbx to defaults or load manufacturing defaults after the firmware update. The dbx can also be enrolled from Windows, Linux, RBSU, or the Redfish API.

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:

2.70_08-20-2026

Last Recommended or Critical Revision:

2.70_08-20-2026

Previous Revision:

2.64_04-01-2026

Firmware Dependencies:

None

Enhancements/New Features:

Updated Intel processor microcode for supported Rocket Lake-S B0 processors (IPU 2026.3).

Added support for Secure Boot Keys Auto Enrollment after a UEFI firmware update. A new RBSU option, "Auto Enroll Policy," is available under Server Security > Secure Boot Settings. When set to "Auto," BIOS checks the current Secure Boot keys and automatically enrolls updated keys after a firmware update, provided no HPE or Microsoft keys have been manually removed. "Force Enable" always enrolls updated keys, and "Disable" takes no action. This option is also configurable via the Redfish API.

Updated multi-language translations for Secure Boot configuration settings in RBSU.

Updated the default Secure Boot Forbidden Signature Database (dbx) to address CVE-2025-47827.

Problems Fixed:

Addressed an issue where Secure Boot key auto-enrollment was not triggered after using "Reset all keys to platform defaults" in RBSU on systems with OEM Secure Boot customization, leaving the system without the expected default keys after reset.

Addressed an issue where the Secure Boot Auto Enroll Policy setting configured via the Redfish API was not correctly synchronized with the corresponding RBSU setting, and changes made in RBSU were not reflected in Redfish.

Addressed an issue where NVMe drives could fail to boot when the NVMe OptionROM failed Secure Boot certificate validation, preventing the system from binding a driver to the NVMe controller.

Addressed a potential system stability issue during boot caused by a NULL pointer dereference in the event logging code path when a memory allocation failure occurred.

Addressed the following security vulnerabilities:

- CVE-2026-7383 (OpenSSL)
- CVE-2026-33416 (Libpng)
- CVE-2026-34757 (Libpng)
- CVE-2014-9485 (MiniZip)

Known Issues:

None

Fixes

Important Notes:

This version of the System ROM contains updates aligned with the Intel Tatlow IPU2026.3 update. This version of the System ROM should be paired with Server Platform Services (SPS) Firmware 06.00.03.708. Note: Updating the System ROM does not automatically update the Secure Boot Forbidden Signature Database (dbx). To apply the updated dbx included in this release, reset the dbx to defaults or load manufacturing defaults after the firmware update. The dbx can also be enrolled from Windows, Linux, RBSU, or the Redfish API.

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 Secure Boot key auto-enrollment was not triggered after using "Reset all keys to platform defaults" in RBSU on systems with OEM Secure Boot customization, leaving the system without the expected default keys after reset.

Addressed an issue where the Secure Boot Auto Enroll Policy setting configured via the Redfish API was not correctly synchronized with the corresponding RBSU setting, and changes made in RBSU were not reflected in Redfish.

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Addressed the following security vulnerabilities:

- CVE-2026-7383 (OpenSSL)
- CVE-2026-33416 (Libpng)
- CVE-2026-34757 (Libpng)
- CVE-2014-9485 (MiniZip)

Known Issues:

None

Enhancements

Updated Intel processor microcode for supported Rocket Lake-S B0 processors (IPU 2026.3).

Added support for Secure Boot Keys Auto Enrollment after a UEFI firmware update. A new RBSU option, "Auto Enroll Policy," is available under Server Security > Secure Boot Settings. When set to "Auto," BIOS checks the current Secure Boot keys and automatically enrolls updated keys after a firmware update, provided no HPE or Microsoft keys have been manually removed. "Force Enable" always enrolls updated keys, and "Disable" takes no action. This option is also configurable via the Redfish API.

Updated multi-language translations for Secure Boot configuration settings in RBSU.

Updated the default Secure Boot Forbidden Signature Database (dbx) to address CVE-2025-47827.

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

Version: 3.80_05-28-2026 (**Optional**)

Filename: A41_3.80_05_28_2026.fwpkg

Important Note!

Important Notes:

This revision of the System ROM includes AMD reference code RomePI 1.0.0.Q for AMD 2nd Generation EPYC processors. This revision of the System ROM includes AMD reference code NaplesPI 1.0.0.T 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:

3.80_05-28-2026

Last Recommended or Critical Revision:

3.72_04-01-2026

Previous Revision:

3.72_04-01-2026

Firmware Dependencies:

None

Enhancements/New Features:

This revision of the System ROM includes AMD reference code RomePI 1.0.0.Q for AMD 2nd Generation EPYC processors.

This revision of the System ROM includes AMD reference code NaplesPI 1.0.0.T for AMD 1st Generation EPYC processors.

Problems Fixed:

Resolved potential system stability issues related to buffer validation in hardware error handling routines during System Management Mode operations on different-socket (Rome) configurations.

Known Issues:

None

Fixes**Important Notes:**

This revision of the System ROM includes AMD reference code RomePI 1.0.0.Q for AMD 2nd Generation EPYC processors. This revision of the System ROM includes AMD reference code NaplesPI 1.0.0.T 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

Problems Fixed:

Resolved potential system stability issues related to buffer validation in hardware error handling routines during System Management Mode operations on different-socket (Rome) configurations.

Known Issues:

None

Enhancements

This revision of the System ROM includes AMD reference code RomePI 1.0.0.Q for AMD 2nd Generation EPYC processors.

This revision of the System ROM includes AMD reference code NaplesPI 1.0.0.T for AMD 1st Generation EPYC processors.

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

Version: 3.70_08-19-2026 (**Recommended**)

Filename: U32_3.70_08_19_2026.fwpkg

Important Note!**Important Notes:**

This version of the System ROM contains updates aligned with the Intel Purley IPU2026.3 update. This version of the System ROM should be paired with Server Platform Services (SPS) Firmware 04.01.05.312.

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:

3.70_08-19-2026

Last Recommended or Critical Revision:

3.70_08-19-2026

Previous Revision:

3.68_07-23-2026

Firmware Dependencies:

None

Enhancements/New Features:

Updated multi-language translations for Secure Boot configuration settings in RBSU.

Problems Fixed:

Addressed an issue where Secure Boot key auto-enrollment was not triggered after using "Reset all keys to platform defaults" in RBSU on systems with OEM Secure Boot customization, leaving the system without the expected default keys after reset.

Addressed an issue where the Secure Boot Auto Enroll Policy setting configured via the Redfish API was not correctly synchronized with the corresponding RBSU setting, and changes made in RBSU were not reflected in Redfish.

Addressed an issue where the embedded diagnostic tool could fail to communicate with the internal REST client interface due to a parameter compatibility difference between Gen10 and Gen10 Plus platforms.

Addressed a security vulnerability (CVE-2026-20712) related to Memory Overwrite Request (MOR) handling during boot where the MOR variable may not have been checked under certain platform configurations.

Addressed an issue where the Advanced Memory Test could fail to re-enable memory self-refresh after a test pause, potentially causing memory test failures or unexpected results during extended memory diagnostics.

Known Issues:

None

Fixes

Important Notes:

This version of the System ROM contains updates aligned with the Intel Purley IPU2026.3 update. This version of the System ROM should be paired with Server Platform Services (SPS) Firmware 04.01.05.312.

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 Secure Boot key auto-enrollment was not triggered after using "Reset all keys to platform defaults" in RBSU on systems with OEM Secure Boot customization, leaving the system without the expected default keys after reset.

Addressed an issue where the Secure Boot Auto Enroll Policy setting configured via the Redfish API was not correctly synchronized with the corresponding RBSU setting, and changes made in RBSU were not reflected in Redfish.

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Addressed a security vulnerability (CVE-2026-20712) related to Memory Overwrite Request (MOR) handling during boot where the MOR variable may not have been checked under certain platform configurations.

Addressed an issue where the Advanced Memory Test could fail to re-enable memory self-refresh after a test pause, potentially causing memory test failures or unexpected results during extended memory diagnostics.

Known Issues:

None

Enhancements

Updated multi-language translations for Secure Boot configuration settings in RBSU.

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

Version: 3.70_08-19-2026 (**Recommended**)

Filename: U30_3.70_08_19_2026.fwpkg

Important Note!

Important Notes:

This version of the System ROM contains updates aligned with the Intel Purley IPU2026.3 update. This version of the System ROM should be paired with Server Platform Services (SPS) Firmware 04.01.05.312.

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:

3.70_08-19-2026

Last Recommended or Critical Revision:

3.70_08-19-2026

Previous Revision:

3.68_07-23-2026

Firmware Dependencies:

None

Enhancements/New Features:

Updated multi-language translations for Secure Boot configuration settings in RBSU.

Problems Fixed:

Addressed an issue where Secure Boot key auto-enrollment was not triggered after using "Reset all keys to platform defaults" in RBSU on systems with OEM Secure Boot customization, leaving the system without the expected default keys after reset.

Addressed an issue where the Secure Boot Auto Enroll Policy setting configured via the Redfish API was not correctly synchronized with the corresponding RBSU setting, and changes made in RBSU were not reflected in Redfish.

Addressed an issue where the embedded diagnostic tool could fail to communicate with the internal REST client interface due to a parameter compatibility difference between Gen10 and Gen10 Plus platforms.

Addressed a security vulnerability (CVE-2026-20712) related to Memory Overwrite Request (MOR) handling during boot where the MOR variable may not have been checked under certain platform configurations.

Addressed an issue where the Advanced Memory Test could fail to re-enable memory self-refresh after a test pause, potentially causing memory test failures or unexpected results during extended memory diagnostics.

Known Issues:

None

Fixes**Important Notes:**

This version of the System ROM contains updates aligned with the Intel Purley IPU2026.3 update. This version of the System ROM should be paired with Server Platform Services (SPS) Firmware 04.01.05.312.

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 Secure Boot key auto-enrollment was not triggered after using "Reset all keys to platform defaults" in RBSU on systems with OEM Secure Boot customization, leaving the system without the expected default keys after reset.

Addressed an issue where the Secure Boot Auto Enroll Policy setting configured via the Redfish API was not correctly synchronized with the corresponding RBSU setting, and changes made in RBSU were not reflected in Redfish.

Addressed an issue where the embedded diagnostic tool could fail to communicate with the internal REST client interface due to a parameter compatibility difference between Gen10 and Gen10 Plus platforms.

Addressed a security vulnerability (CVE-2026-20712) related to Memory Overwrite Request (MOR) handling during boot where the MOR variable may not have been checked under certain platform configurations.

Addressed an issue where the Advanced Memory Test could fail to re-enable memory self-refresh after a test pause, potentially causing memory test failures or unexpected results during extended memory diagnostics.

Known Issues:

None

Enhancements

Updated multi-language translations for Secure Boot configuration settings in RBSU.

ROM Flash Firmware Package - HPE ProLiant DL385 Gen10 (A40) Servers

Version: 3.80_05-28-2026 (**Optional**)

Filename: A40_3.80_05_28_2026.fwpkg

Important Note!**Important Notes:**

This revision of the System ROM includes AMD reference code RomePI 1.0.0.Q for AMD 2nd Generation EPYC processors. This revision of the System ROM includes AMD reference code NaplesPI 1.0.0.T 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 System ROM - A40

Release Version:

3.80_05-28-2026

Last Recommended or Critical Revision:

3.72_04-01-2026

Previous Revision:

3.72_04-01-2026

Firmware Dependencies:

None

Enhancements/New Features:

This revision of the System ROM includes AMD reference code RomePI 1.0.0.Q for AMD 2nd Generation EPYC processors.

This revision of the System ROM includes AMD reference code NaplesPI 1.0.0.T for AMD 1st Generation EPYC processors.

Problems Fixed:

Resolved potential system stability issues related to buffer validation in hardware error handling routines during System Management Mode operations on different-socket (Rome) configurations.

Known Issues:

None

Fixes**Important Notes:**

This revision of the System ROM includes AMD reference code RomePI 1.0.0.Q for AMD 2nd Generation EPYC processors. This revision of the System ROM includes AMD reference code NaplesPI 1.0.0.T 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

Problems Fixed:

Resolved potential system stability issues related to buffer validation in hardware error handling routines during System Management Mode operations on different-socket (Rome) configurations.

Known Issues:

None

Enhancements

This revision of the System ROM includes AMD reference code RomePI 1.0.0.Q for AMD 2nd Generation EPYC processors.

This revision of the System ROM includes AMD reference code NaplesPI 1.0.0.T for AMD 1st Generation EPYC processors.

ROM Flash Firmware Package - HPE ProLiant DL560 Gen10/DL580 Gen10 (U34) Servers

Version: 3.70_08-19-2026 (**Recommended**)

Filename: U34_3.70_08_19_2026.fwpkg

Important Note!**Important Notes:**

This version of the System ROM contains updates aligned with the Intel Purley IPU2026.3 update. This version of the System ROM should be paired with Server Platform Services (SPS) Firmware 04.01.05.312.

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:

3.70_08-19-2026

Last Recommended or Critical Revision:

3.70_08-19-2026

Previous Revision:

3.68_07-23-2026

Firmware Dependencies:

None

Enhancements/New Features:

Updated multi-language translations for Secure Boot configuration settings in RBSU.

Problems Fixed:

Addressed an issue where Secure Boot key auto-enrollment was not triggered after using "Reset all keys to platform defaults" in RBSU on systems with OEM Secure Boot customization, leaving the system without the expected default keys after reset.

Addressed an issue where the Secure Boot Auto Enroll Policy setting configured via the Redfish API was not correctly synchronized with the corresponding RBSU setting, and changes made in RBSU were not reflected in Redfish.

Addressed an issue where the embedded diagnostic tool could fail to communicate with the internal REST client interface due to a parameter compatibility difference between Gen10 and Gen10 Plus platforms.

Addressed a security vulnerability (CVE-2026-20712) related to Memory Overwrite Request (MOR) handling during boot where the MOR variable may not have been checked under certain platform configurations.

Addressed an issue where the Advanced Memory Test could fail to re-enable memory self-refresh after a test pause, potentially causing memory test failures or unexpected results during extended memory diagnostics.

Known Issues:

None

Fixes

Important Notes:

This version of the System ROM contains updates aligned with the Intel Purley IPU2026.3 update. This version of the System ROM should be paired with Server Platform Services (SPS) Firmware 04.01.05.312.

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 Secure Boot key auto-enrollment was not triggered after using "Reset all keys to platform defaults" in RBSU on systems with OEM Secure Boot customization, leaving the system without the expected default keys after reset.

Addressed an issue where the Secure Boot Auto Enroll Policy setting configured via the Redfish API was not correctly synchronized with the corresponding RBSU setting, and changes made in RBSU were not reflected in Redfish.

Addressed an issue where the embedded diagnostic tool could fail to communicate with the internal REST client interface due to a parameter compatibility difference between Gen10 and Gen10 Plus platforms.

Addressed a security vulnerability (CVE-2026-20712) related to Memory Overwrite Request (MOR) handling during boot where the MOR variable may not have been checked under certain platform configurations.

Addressed an issue where the Advanced Memory Test could fail to re-enable memory self-refresh after a test pause, potentially causing memory test failures or unexpected results during extended memory diagnostics.

Known Issues:

None

Enhancements

Updated multi-language translations for Secure Boot configuration settings in RBSU.

ROM Flash Firmware Package - HPE ProLiant MicroServer Gen10 Plus v2 (U64) Servers

Version: 2.70_08-20-2026 (**Recommended**)

Filename: U64_2.70_08_20_2026.fwpkg

Important Note!

Important Notes:

This version of the System ROM contains updates aligned with the Intel Tatlow IPU2026.3 update. This version of the System ROM should be paired with Server Platform Services (SPS) Firmware 06.00.03.708. Note: Updating the System ROM does not automatically update the Secure Boot Forbidden Signature Database (dbx). To apply the updated dbx included in this release, reset the dbx to defaults or load manufacturing defaults after the firmware update. The dbx can also be enrolled from Windows, Linux, RBSU, or the Redfish API.

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:

2.70_08-20-2026

Last Recommended or Critical Revision:

2.70_08-20-2026

Previous Revision:

2.64_04-01-2026

Firmware Dependencies:

None

Enhancements/New Features:

Updated Intel processor microcode for supported Rocket Lake-S B0 processors (IPU 2026.3).

Added support for Secure Boot Keys Auto Enrollment after a UEFI firmware update. A new RBSU option, "Auto Enroll Policy," is available under Server Security > Secure Boot Settings. When set to "Auto," BIOS checks the current Secure Boot keys and automatically enrolls updated keys after a firmware update, provided no HPE or Microsoft keys have been manually removed. "Force Enable" always enrolls updated keys, and "Disable" takes no action. This option is also configurable via the Redfish API.

Updated multi-language translations for Secure Boot configuration settings in RBSU.

Updated the default Secure Boot Forbidden Signature Database (dbx) to address CVE-2025-47827.

Problems Fixed:

Addressed an issue where Secure Boot key auto-enrollment was not triggered after using "Reset all keys to platform defaults" in RBSU on systems with OEM Secure Boot customization, leaving the system without the expected default keys after reset.

Addressed an issue where the Secure Boot Auto Enroll Policy setting configured via the Redfish API was not correctly synchronized with the corresponding RBSU setting, and changes made in RBSU were not reflected in Redfish.

Addressed an issue where NVMe drives could fail to boot when the NVMe OptionROM failed Secure Boot certificate validation, preventing the system from binding a driver to the NVMe controller.

Addressed a potential system stability issue during boot caused by a NULL pointer dereference in the event logging code path when a memory allocation failure occurred.

Addressed the following security vulnerabilities:

- CVE-2026-7383 (OpenSSL)
- CVE-2026-33416 (Libpng)
- CVE-2026-34757 (Libpng)
- CVE-2014-9485 (MiniZip)

Known Issues:

None

Fixes

Important Notes:

This version of the System ROM contains updates aligned with the Intel Tatlow IPU2026.3 update. This version of the System ROM should be paired with Server Platform Services (SPS) Firmware 06.00.03.708. Note: Updating the System ROM does not automatically update the Secure Boot Forbidden Signature Database (dbx). To apply the updated dbx included in this release, reset the dbx to defaults or load manufacturing defaults after the firmware update. The dbx can also be enrolled from Windows, Linux, RBSU, or the Redfish API.

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 Secure Boot key auto-enrollment was not triggered after using "Reset all keys to platform defaults" in RBSU on systems with OEM Secure Boot customization, leaving the system without the expected default keys after reset.

Addressed an issue where the Secure Boot Auto Enroll Policy setting configured via the Redfish API was not correctly synchronized with the corresponding RBSU setting, and changes made in RBSU were not reflected in Redfish.

Addressed an issue where NVMe drives could fail to boot when the NVMe OptionROM failed Secure Boot certificate validation, preventing the system from binding a driver to the NVMe controller.

Addressed a potential system stability issue during boot caused by a NULL pointer dereference in the event logging code path when a memory allocation failure occurred.

Addressed the following security vulnerabilities:

- CVE-2026-7383 (OpenSSL)
- CVE-2026-33416 (Libpng)
- CVE-2026-34757 (Libpng)
- CVE-2014-9485 (MiniZip)

Known Issues:

None

Enhancements

Updated Intel processor microcode for supported Rocket Lake-S B0 processors (IPU 2026.3).

Added support for Secure Boot Keys Auto Enrollment after a UEFI firmware update. A new RBSU option, "Auto Enroll Policy," is available under Server Security > Secure Boot Settings. When set to "Auto," BIOS checks the current Secure Boot keys and automatically enrolls updated keys after a firmware update, provided no HPE or Microsoft keys have been manually removed. "Force Enable" always enrolls updated keys, and "Disable" takes no action. This option is also configurable via the Redfish API.

Updated multi-language translations for Secure Boot configuration settings in RBSU.

Updated the default Secure Boot Forbidden Signature Database (dbx) to address CVE-2025-47827.

ROM Flash Firmware Package - HPE ProLiant ML110 Gen10 (U33) Servers
Version: 3.70_08-19-2026 (**Recommended**)
Filename: U33_3.70_08_19_2026.fwpgk

Important Note!

Important Notes:

This version of the System ROM contains updates aligned with the Intel Purley IPU2026.3 update. This version of the System ROM should be paired with Server Platform Services (SPS) Firmware 04.01.05.312.

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:

3.70_08-19-2026

Last Recommended or Critical Revision:

3.70_08-19-2026

Previous Revision:

3.68_07-23-2026

Firmware Dependencies:

None

Enhancements/New Features:

Updated multi-language translations for Secure Boot configuration settings in RBSU.

Problems Fixed:

Addressed an issue where Secure Boot key auto-enrollment was not triggered after using "Reset all keys to platform defaults" in RBSU on systems with OEM Secure Boot customization, leaving the system without the expected default keys after reset.

Addressed an issue where the Secure Boot Auto Enroll Policy setting configured via the Redfish API was not correctly synchronized with the corresponding RBSU setting, and changes made in RBSU were not reflected in Redfish.

Addressed an issue where the embedded diagnostic tool could fail to communicate with the internal REST client interface due to a parameter compatibility difference between Gen10 and Gen10 Plus platforms.

Addressed a security vulnerability (CVE-2026-20712) related to Memory Overwrite Request (MOR) handling during boot where the MOR variable may not have been checked under certain platform configurations.

Addressed an issue where the Advanced Memory Test could fail to re-enable memory self-refresh after a test pause, potentially causing memory test failures or unexpected results during extended memory diagnostics.

Known Issues:

None

Fixes**Important Notes:**

This version of the System ROM contains updates aligned with the Intel Purley IPU2026.3 update. This version of the System ROM should be paired with Server Platform Services (SPS) Firmware 04.01.05.312.

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 Secure Boot key auto-enrollment was not triggered after using "Reset all keys to platform defaults" in RBSU on systems with OEM Secure Boot customization, leaving the system without the expected default keys after reset.

Addressed an issue where the Secure Boot Auto Enroll Policy setting configured via the Redfish API was not correctly synchronized with the corresponding RBSU setting, and changes made in RBSU were not reflected in Redfish.

Addressed an issue where the embedded diagnostic tool could fail to communicate with the internal REST client interface due to a parameter compatibility difference between Gen10 and Gen10 Plus platforms.

Addressed a security vulnerability (CVE-2026-20712) related to Memory Overwrite Request (MOR) handling during boot where the MOR variable may not have been checked under certain platform configurations.

Addressed an issue where the Advanced Memory Test could fail to re-enable memory self-refresh after a test pause, potentially causing memory test failures or unexpected results during extended memory diagnostics.

Known Issues:

None

Enhancements

Updated multi-language translations for Secure Boot configuration settings in RBSU.

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

Version: 3.76_05-28-2026 **(Optional)**

Filename: U44_3.76_05_28_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:

3.76_05-28-2026

Last Recommended or Critical Revision:

3.74_04-01-2026

Previous Revision:

3.74_04-01-2026

Firmware Dependencies:

None

Enhancements/New Features:

Improved BIOS debug log diagnostics by including POST code events, boot target OS information, and RTC timestamps for enhanced triage support.

Enabled medium-level debug message logging for shared memory and CHIF methods, aligning Gen10 Active Health System (AHS) log collection with Gen10 Plus and later platforms.

Problems Fixed:

Resolved a security vulnerability where a NULL pointer dereference could cause a system crash during boot if an internal memory allocation failed during the ExitBootServices or boot option launch sequence.

Addressed an issue where the Minimum Processor Idle Power Core C-State and Minimum Processor Idle Power Package C-State options were not appearing in System Configuration (RBSU) under Power and Performance Options on ML30 Gen10 and DL20 Gen10 platforms.

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:

Resolved a security vulnerability where a NULL pointer dereference could cause a system crash during boot if an internal memory allocation failed during the ExitBootServices or boot option launch sequence.

Addressed an issue where the Minimum Processor Idle Power Core C-State and Minimum Processor Idle Power Package C-State options were not appearing in System Configuration (RBSU) under Power and Performance Options on ML30 Gen10 and DL20 Gen10 platforms.

Known Issues:

None

Enhancements

Improved BIOS debug log diagnostics by including POST code events, boot target OS information, and RTC timestamps for enhanced triage support.

Enabled medium-level debug message logging for shared memory and CHIF methods, aligning Gen10 Active Health System (AHS) log collection with Gen10 Plus and later platforms.

ROM Flash Firmware Package - HPE ProLiant ML30 Gen10 Plus Servers

Version: 2.70_08-20-2026 **(Recommended)**

Filename: U61_2.70_08_20_2026.fwpkg

Important Note!

Important Notes:

This version of the System ROM contains updates aligned with the Intel Tatlow IPU2026.3 update. This version of the System ROM should be paired with Server Platform Services (SPS) Firmware 06.00.03.708. Note: Updating the System ROM does not automatically update the Secure Boot Forbidden Signature Database (dbx). To apply the updated dbx included in this release, reset the dbx to defaults or load manufacturing defaults after the firmware update. The dbx can also be enrolled from Windows, Linux, RBSU, or the Redfish API.

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:

2.70_08-20-2026

Last Recommended or Critical Revision:

2.70_08-20-2026

Previous Revision:

2.64_04-01-2026

Firmware Dependencies:

None

Enhancements/New Features:

Updated Intel processor microcode for supported Rocket Lake-S B0 processors (IPU 2026.3).

Added support for Secure Boot Keys Auto Enrollment after a UEFI firmware update. A new RBSU option, "Auto Enroll Policy," is available under Server Security > Secure Boot Settings. When set to "Auto," BIOS checks the current Secure Boot keys and automatically enrolls updated keys after a firmware update, provided no HPE or Microsoft keys have been manually removed. "Force Enable" always enrolls updated keys, and "Disable" takes no action. This option is also configurable via the Redfish API.

Updated multi-language translations for Secure Boot configuration settings in RBSU.

Updated the default Secure Boot Forbidden Signature Database (dbx) to address CVE-2025-47827.

Problems Fixed:

Addressed an issue where Secure Boot key auto-enrollment was not triggered after using "Reset all keys to platform defaults" in RBSU on systems with OEM Secure Boot customization, leaving the system without the expected default keys after reset.

Addressed an issue where the Secure Boot Auto Enroll Policy setting configured via the Redfish API was not correctly synchronized with the corresponding RBSU setting, and changes made in RBSU were not reflected in Redfish.

Addressed an issue where NVMe drives could fail to boot when the NVMe OptionROM failed Secure Boot certificate validation, preventing the system from binding a driver to the NVMe controller.

Addressed a potential system stability issue during boot caused by a NULL pointer dereference in the event logging code path when a memory allocation failure occurred.

Addressed the following security vulnerabilities:

- CVE-2026-7383 (OpenSSL)
- CVE-2026-33416 (Libpng)
- CVE-2026-34757 (Libpng)
- CVE-2014-9485 (MiniZip)

Known Issues:

None

Fixes

Important Notes:

This version of the System ROM contains updates aligned with the Intel Tatlow IPU2026.3 update. This version of the System ROM should be paired with Server Platform Services (SPS) Firmware 06.00.03.708. Note: Updating the System ROM does not automatically update the Secure Boot Forbidden Signature Database (dbx). To apply the updated dbx included in this release, reset the dbx to defaults or load manufacturing defaults after the firmware update. The dbx can also be enrolled from Windows, Linux, RBSU, or the Redfish API.

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 Secure Boot key auto-enrollment was not triggered after using "Reset all keys to platform defaults" in RBSU on systems with OEM Secure Boot customization, leaving the system without the expected default keys after reset.

Addressed an issue where the Secure Boot Auto Enroll Policy setting configured via the Redfish API was not correctly synchronized with the corresponding RBSU setting, and changes made in RBSU were not reflected in Redfish.

Addressed an issue where NVMe drives could fail to boot when the NVMe OptionROM failed Secure Boot certificate validation, preventing the system from binding a driver to the NVMe controller.

Addressed a potential system stability issue during boot caused by a NULL pointer dereference in the event logging code path when a memory allocation failure occurred.

Addressed the following security vulnerabilities:

- CVE-2026-7383 (OpenSSL)
- CVE-2026-33416 (Libpng)
- CVE-2026-34757 (Libpng)
- CVE-2014-9485 (MiniZip)

Known Issues:

None

Enhancements

Updated Intel processor microcode for supported Rocket Lake-S B0 processors (IPU 2026.3).

Added support for Secure Boot Keys Auto Enrollment after a UEFI firmware update. A new RBSU option, "Auto Enroll Policy," is available under Server Security > Secure Boot Settings. When set to "Auto," BIOS checks the current Secure Boot keys and automatically enrolls updated keys after a firmware update, provided no HPE or Microsoft keys have been manually removed. "Force Enable" always enrolls updated keys, and "Disable" takes no action. This option is also configurable via the Redfish API.

Updated multi-language translations for Secure Boot configuration settings in RBSU.

Updated the default Secure Boot Forbidden Signature Database (dbx) to address CVE-2025-47827.

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

Version: 3.70_08-19-2026 (**Recommended**)

Filename: U41_3.70_08_19_2026.fwpkg

Important Note!

Important Notes:

This version of the System ROM contains updates aligned with the Intel Purley IPU2026.3 update. This version of the System ROM should be paired with Server Platform Services (SPS) Firmware 04.01.05.312.

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:

3.70_08-19-2026

Last Recommended or Critical Revision:

3.70_08-19-2026

Previous Revision:

3.68_07-23-2026

Firmware Dependencies:

None

Enhancements/New Features:

Updated multi-language translations for Secure Boot configuration settings in RBSU.

Problems Fixed:

Addressed an issue where Secure Boot key auto-enrollment was not triggered after using "Reset all keys to platform defaults" in RBSU on systems with OEM Secure Boot customization, leaving the system without the expected default keys after reset.

Addressed an issue where the Secure Boot Auto Enroll Policy setting configured via the Redfish API was not correctly synchronized with the corresponding RBSU setting, and changes made in RBSU were not reflected in Redfish.

Addressed an issue where the embedded diagnostic tool could fail to communicate with the internal REST client interface due to a parameter compatibility difference between Gen10 and Gen10 Plus platforms.

Addressed a security vulnerability (CVE-2026-20712) related to Memory Overwrite Request (MOR) handling during boot where the MOR variable may not have been checked under certain platform configurations.

Addressed an issue where the Advanced Memory Test could fail to re-enable memory self-refresh after a test pause, potentially causing memory test failures or unexpected results during extended memory diagnostics.

Known Issues:

None

Fixes**Important Notes:**

This version of the System ROM contains updates aligned with the Intel Purley IPU2026.3 update. This version of the System ROM should be paired with Server Platform Services (SPS) Firmware 04.01.05.312.

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 Secure Boot key auto-enrollment was not triggered after using "Reset all keys to platform defaults" in RBSU on systems with OEM Secure Boot customization, leaving the system without the expected default keys after reset.

Addressed an issue where the Secure Boot Auto Enroll Policy setting configured via the Redfish API was not correctly synchronized with the corresponding RBSU setting, and changes made in RBSU were not reflected in Redfish.

Addressed an issue where the embedded diagnostic tool could fail to communicate with the internal REST client interface due to a parameter compatibility difference between Gen10 and Gen10 Plus platforms.

Addressed a security vulnerability (CVE-2026-20712) related to Memory Overwrite Request (MOR) handling during boot where the MOR variable may not have been checked under certain platform configurations.

Addressed an issue where the Advanced Memory Test could fail to re-enable memory self-refresh after a test pause, potentially causing memory test failures or unexpected results during extended memory diagnostics.

Known Issues:

None

Enhancements

Updated multi-language translations for Secure Boot configuration settings in RBSU.

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.

ROM Flash Universal Firmware Package - HPE ProLiant DL360/DL380 Gen10 Plus (U46) Servers

Version: 2.70_08-19-2026 (**Recommended**)

Filename: U46_2.70_08_19_2026.fwpkg

Important Note!

Important Notes:

This version of the System ROM contains updates aligned with the Intel Whitley IPU2026.3 update. This version of the System ROM should be paired with Server Platform Services (SPS) Firmware 04.04.04.926.0. Note: Updating the System ROM does not automatically update the Secure Boot Forbidden Signature Database (dbx). To apply the updated dbx included in this release, reset the dbx to defaults or load manufacturing defaults after the firmware update. The dbx can also be enrolled from Windows, Linux, RBSU, or the Redfish API.

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 - U46

Release Version:

2.70_08-19-2026

Last Recommended or Critical Revision:

2.70_08-19-2026

Previous Revision:

2.64_04-01-2026

Firmware Dependencies:

None

Enhancements/New Features:

Added support for Secure Boot Keys Auto Enrollment after a UEFI firmware update. A new RBSU option, "Auto Enroll Policy," is available under Server Security > Secure Boot Settings. When set to "Auto," BIOS checks the current Secure Boot keys and automatically enrolls updated keys after a firmware update, provided no HPE or Microsoft keys have been manually removed. "Force Enable" always enrolls updated keys, and "Disable" takes no action. This option is also configurable via the Redfish API.

Updated multi-language translations for Secure Boot configuration settings in RBSU.

Updated IML data extract to improve error code reporting for additional error codes.

Updated the default Secure Boot Forbidden Signature Database (dbx) to address CVE-2025-47827.

Added AHS event logging for iLO Virtual Media CD/DVD and iLO NAND device mount and unmount events.

Problems Fixed:

Addressed an issue where Secure Boot key auto-enrollment was not triggered after using "Reset all keys to platform defaults" in RBSU on systems with OEM Secure Boot customization, leaving the system without the expected default keys after reset.

Addressed an issue where the Secure Boot Auto Enroll Policy setting configured via the Redfish API was not correctly synchronized with the corresponding RBSU setting, and changes made in RBSU were not reflected in Redfish.

Addressed an issue where NVMe drives could fail to boot when the NVMe OptionROM failed Secure Boot certificate validation, preventing the system from binding a driver to the NVMe controller.

Addressed a security vulnerability (CVE-2026-20712) related to Memory Overwrite Request (MOR) handling during boot where the MOR variable may not have been checked under certain platform configurations.

Addressed a potential system stability issue during boot caused by a NULL pointer dereference in the event logging code path when a memory allocation failure occurred.

Addressed the following security vulnerabilities: - CVE-2026-7383 (OpenSSL) - CVE-2026-33416 (Libpng) - CVE-2026-34757 (Libpng) - CVE-2014-9485 (MiniZip)

Known Issues:

None

Fixes

Important Notes:

This version of the System ROM contains updates aligned with the Intel Whitley IPU2026.3 update. This version of the System ROM should be paired with Server Platform Services (SPS) Firmware 04.04.04.926.0. Note: Updating the System ROM does not automatically update the Secure Boot Forbidden Signature Database (dbx). To apply the updated dbx included in this release, reset the dbx to defaults or load manufacturing defaults after the firmware update. The dbx can also be enrolled from Windows, Linux, RBSU, or the Redfish API.

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 Secure Boot key auto-enrollment was not triggered after using "Reset all keys to platform defaults" in RBSU on systems with OEM Secure Boot customization, leaving the system without the expected default keys after reset.

Addressed an issue where the Secure Boot Auto Enroll Policy setting configured via the Redfish API was not correctly synchronized with the corresponding RBSU setting, and changes made in RBSU were not reflected in Redfish.

Addressed an issue where NVMe drives could fail to boot when the NVMe OptionROM failed Secure Boot certificate validation, preventing the system from binding a driver to the NVMe controller.

Addressed a security vulnerability (CVE-2026-20712) related to Memory Overwrite Request (MOR) handling during boot where the MOR variable may not have been checked under certain platform configurations.

Addressed a potential system stability issue during boot caused by a NULL pointer dereference in the event logging code path when a memory allocation failure occurred.

Addressed the following security vulnerabilities: - CVE-2026-7383 (OpenSSL) - CVE-2026-33416 (Libpng) - CVE-2026-34757 (Libpng) - CVE-2014-9485 (MiniZip)

Known Issues:

None

Enhancements

Added support for Secure Boot Keys Auto Enrollment after a UEFI firmware update. A new RBSU option, "Auto Enroll Policy," is available under Server Security > Secure Boot Settings. When set to "Auto," BIOS checks the current Secure Boot keys and automatically enrolls updated keys after a firmware update, provided no HPE or Microsoft keys have been manually removed. "Force Enable" always enrolls updated keys, and "Disable" takes no action. This option is also configurable via the Redfish API.

Updated multi-language translations for Secure Boot configuration settings in RBSU.

Updated IML data extract to improve error code reporting for additional error codes.

Updated the default Secure Boot Forbidden Signature Database (dbx) to address CVE-2025-47827.

Added AHS event logging for iLO Virtual Media CD/DVD and iLO NAND device mount and unmount events.

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.

Driver - Lights-Out Management

HPE iLO Native Driver for ESXi 8.0 and ESXi 9.0

Version: 10.9.1 (**Recommended**)

Filename: ilo-driver_800.10.9.1.4-10EM.800.1.0.20613240.zip

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Fixes

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

Driver - Network

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HPE Broadcom NetXtreme-E Drivers for VMware vSphere 8.0

Version: 2026.09.00 **(Recommended)**

Filename: cp072685.compsig; cp072685.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 vibsddepot.hpe.com webpages, plus an HPE specific CP0xxxxx.xml file.
- o HPE recommends the *HPE Broadcom NetXtreme-E Firmware Version, 238.1.169000* or later, for use with this driver.

Enhancements

- o This product enhances diagnostics by allowing firmware crash dumps to be retrieved when the firmware is not operational. The Ethernet driver must be loaded.
- o This product adds support for the following Broadcom Ethernet adapters:
 - BCM57414 Ethernet 10/25Gb 2-port SFP28 Dual Rate Adapter for HPE
 - BCM57414 Ethernet 10/25Gb 2-port SFP28 OCP3 Dual Rate Adapter for HPE
 - BCM57412 Ethernet 10Gb 2-port BASE-T Adapter for HPE
 - BCM57412 Ethernet 10Gb 2-port BASE-T OCP3 Adapter for HPE

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
- o Broadcom BCM57414 Ethernet 10/25Gb 2-port SFP28 Dual Rate Adapter for HPE
- o Broadcom BCM57414 Ethernet 10/25Gb 2-port SFP28 OCP3 Dual Rate Adapter for HPE
- o Broadcom BCM57412 Ethernet 10Gb 2-port BASE-T Adapter for HPE
- o Broadcom BCM57412 Ethernet 10Gb 2-port BASE-T OCP3 Adapter for HPE

HPE Intel i40en Driver for VMware vSphere 8.0

Version: 2026.09.00 **(Recommended)**

Filename: cp072313.compsig; cp072313.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 vibsddepot.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 3.31.0 or later, for use with this driver.

Fixes

- o This product fixed Wake on LAN settings so they are preserved after a system reboot.

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

HPE Intel igbn Driver for VMware vSphere 8.0

Version: 2025.05.00 **(Recommended)**

Filename: cp066052.compsig; cp066052.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 vibsddepot.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

This product enhanced the compatibility with firmware.

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

HPE Intel ixgben Driver for VMware vSphere 8.0

Version: 2026.09.00 **(Recommended)**

Filename: cp072319.compsig; cp072319.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 vibsddepot.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 3.31.0 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 1.60 or later, for use with this driver

Fixes

TBD

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

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

Version: 2026.03.00 **(Recommended)**

Filename: cp070110.compsig; cp070110.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 vibsddepot.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.

Fixes

- o This product fixed an issue where it misses RX byte statistics for LRO queues in ENS mode

Enhancements

- o This product now enabled DRSS by default for non-ENS mode to improve RX traffic distribution and reduce latency between hosts and federated sites.

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 QL41232HQCUC 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

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

Version: 2025.03.00 **(Recommended)**

Filename: cp064345.compsig; cp064345.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 vibsddepot.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.

Fixes

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

Supported Devices and Features

These drivers support the following network adapters:

- 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

Intel icen Driver for VMware vSphere 8.0

Version: 2026.09.00 **(Recommended)**

Filename: cp072316.compsig; cp072316.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 vibsddepot.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 5.0 or later, for use with these drivers.

Enhancements

- o This product enhanced driver error reporting control by adding a module parameter for L4E error reporting.
- o This product enhanced driver diagnostics by adding VSI identification to private statistics.

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
- o Intel E835-XXVDA2 Ethernet 10/25Gb 2-port SFP28 OCP3 Adapter for HPE
- o Intel E835-XXVDA2 Ethernet 10/25Gb 2-port SFP28 Adapter for HPE
- o Intel E835-XXVDA4 Ethernet 10/25Gb 4-port SFP28 OCP3 Adapter for HPE
- o Intel E835-XXVDA4 Ethernet 10/25Gb 4-port SFP28 Adapter for HPE
- o Intel E835-CQDA2 Ethernet 100Gb 2-port QSFP28 OCP3 Adapter for HPE
- o Intel E835-CQDA2 Ethernet 100Gb 2-port QSFP28 Adapter for HPE

net-mst kernel module driver component for VMware ESXi 8.0 Update 3

Version: 2025.03.17 **(Recommended)**

Filename: cp052054.compsig; cp052054.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 vibsddepot.hpe.com webpage, plus an HPE specific CPXXXX.xml file.

Prerequisites

NA

Enhancements

NMST version 4.31.0.150

This version is supported on VMware ESXi 8.0 Update 3 only.

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-SFP28 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

Driver - Storage Controller

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HPE MR416i-p, MR216i-p, MR416i-a, MR216i-a Gen10 plus Controllers and MR416i-p, MR416i-o, MR216i-o, MR408i-o, MR216i-p, MR408i-p Gen11 Controllers Driver (64-bit) for vSphere 8.0

Version: 2026.09.01 **(Recommended)**

Filename: cp071617.compsig; cp071617.zip

Important Note!

- o Actual Version is 7.738.04.00

Fixes

- o Fixed a driver unload failure that occurs when management commands are still outstanding.

HPE ProLiant Gen10 Smart Array and Gen10 Plus and Gen11 Smart RAID Controller Driver for VMware vSphere 8.0 (Driver Component).

Version: 2026.07.01 **(Recommended)**

Filename: cp071895.compsig; cp071895.zip

Important Note!

- o Actual ESXi8.0 driver version is 80.4902.0.103
- o Actual ESXi9.0 driver version is 90.4902.0.103
- 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 8.23 for SR SAS/SATA controllers and firmware version 03.01.47.052 for SR tri-mode controllers, along with Windows 2022/2025 driver version 1016.38.0.1003, Linux driver version 2.1.40-020, and VMware ESXi driver version 80.4902.0.103/90.4902.0.103, 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>

Enhancements

- New release.

Firmware - Management

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ROM Flash Universal Firmware Package - HPE Edgeline Chassis Controller Firmware

Version: 2.1.0 (A) **(Recommended)**

Filename: ACCE_2.1.0s.fwpkg

Fixes

Addressed an issue where the main power status could appear inconsistent in certain situations, resulting in more reliable and accurate status reporting.

Firmware - Network

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Broadcom Firmware Package for BCM57412 adapter

Version: 238.1.169.0 **(Recommended)**

Filename: BCM238.1.169.0_BCM957412A4121HC.fwpkg; BCM238.1.169.0_BCM957412A4121HC.json

Important Note!

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

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

- Broadcom NetXtreme-E Driver for Microsoft Windows Server, version 238.1.110.0 or later
- HPE Broadcom NetXtreme-E Drivers for Linux, version 1.10.3-238.1.165.0 or later
- HPE Broadcom NetXtreme-E Drivers for VMware, version 2026.09.00 or later

Fixes

- This product fixes an issue where retransmitted NC-SI responses could use an incorrect MCTP tag, causing the response to be discarded or misrouted.
- This product fixes an issue where ports without pluggable optical modules could incorrectly report the module status as "Not Inserted" instead of "Not Applicable."

Enhancements

- This product added Secure Boot support using the Microsoft Option ROM UEFI CA 2023 certificate.

Supported Devices and Features

This product supports the following network adapters:

- HPE Ethernet 10Gb 2-port SFP+ BCM57412 Adapter

Broadcom Firmware Package for BCM57412 OCP3 adapter

Version: 238.1.169.0 **(Recommended)**

Filename: BCM238.1.169.0_BCM957412N4120HC.fwpkg; BCM238.1.169.0_BCM957412N4120HC.json

Important Note!

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

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

- Broadcom NetXtreme-E Driver for Microsoft Windows Server, version 238.1.110.0 or later
- HPE Broadcom NetXtreme-E Drivers for Linux, version 1.10.3-238.1.165.0 or later
- HPE Broadcom NetXtreme-E Drivers for VMware, version 2026.09.00 or later

Fixes

- This product fixes an issue where retransmitted NC-SI responses could use an incorrect MCTP tag, causing the response to be discarded or misrouted.
- This product fixes an issue where ports without pluggable optical modules could incorrectly report the module status as "Not Inserted" instead of "Not Applicable."

Enhancements

- This product added Secure Boot support using the Microsoft Option ROM UEFI CA 2023 certificate.

Supported Devices and Features

This product supports the following network adapters:

- HPE Ethernet 10Gb 2-port SFP+ BCM57412 OCP3 Adapter

Broadcom Firmware Package for BCM57414 adapter

Version: 238.1.169.0 **(Recommended)**

Filename: BCM238.1.169.0_BCM957414A4142HC.fwpkg; BCM238.1.169.0_BCM957414A4142HC.json

Important Note!

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

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

- Broadcom NetXtreme-E Driver for Microsoft Windows Server, version 238.1.110.0 or later
- HPE Broadcom NetXtreme-E Drivers for Linux, version 1.10.3-238.1.165.0 or later

- HPE Broadcom NetXtreme-E Drivers for VMware, version 2026.09.00 or later

Fixes

- This product fixes an issue where retransmitted NC-SI responses could use an incorrect MCTP tag, causing the response to be discarded or misrouted.
- This product fixes an issue where ports without pluggable optical modules could incorrectly report the module status as "Not Inserted" instead of "Not Applicable."

Enhancements

- This product added Secure Boot support using the Microsoft Option ROM UEFI CA 2023 certificate.

Supported Devices and Features

This product supports the following network adapters:

- HPE Ethernet 10/25Gb 2-port SFP28 BCM57414 Adapter

Broadcom Firmware Package for BCM57414 OCP3 adapter
Version: 238.1.169.0 (**Recommended**)
Filename: BCM238.1.169.0_BCM957414N4140HC.fwpkg; BCM238.1.169.0_BCM957414N4140HC.json

Important Note!

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

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

- Broadcom NetXtreme-E Driver for Microsoft Windows Server, version 238.1.110.0 or later
- HPE Broadcom NetXtreme-E Drivers for Linux, version 1.10.3-238.1.165.0 or later
- HPE Broadcom NetXtreme-E Drivers for VMware, version 2026.09.00 or later

Fixes

- This product fixes an issue where retransmitted NC-SI responses could use an incorrect MCTP tag, causing the response to be discarded or misrouted.
- This product fixes an issue where ports without pluggable optical modules could incorrectly report the module status as "Not Inserted" instead of "Not Applicable."

Enhancements

- This product added Secure Boot support using the Microsoft Option ROM UEFI CA 2023 certificate.

Supported Devices and Features

This product supports the following network adapter:

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

Broadcom Firmware Package for BCM57416 adapter
Version: 238.1.169.0 (**Recommended**)
Filename: BCM238.1.169.0_BCM957416A4162HC.fwpkg; BCM238.1.169.0_BCM957416A4162HC.json

Important Note!

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

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

- Broadcom NetXtreme-E Driver for Microsoft Windows Server, version 238.1.110.0 or later
- HPE Broadcom NetXtreme-E Drivers for Linux, version 1.10.3-238.1.165.0 or later
- HPE Broadcom NetXtreme-E Drivers for VMware, version 2026.09.00 or later

Fixes

- This product fixes an issue where retransmitted NC-SI responses could use an incorrect MCTP tag, causing the response to be discarded or misrouted.

Enhancements

- This product added Secure Boot support using the Microsoft Option ROM UEFI CA 2023 certificate.

Supported Devices and Features

This product supports the following network adapters:

- HPE Ethernet 10Gb 2-port BaseT BCM57416 Adapter

Broadcom Firmware Package for BCM57416 OCP3 adapter
Version: 238.1.169.0 (**Recommended**)
Filename: BCM238.1.169.0_BCM957416N4160HC.fwpkg; BCM238.1.169.0_BCM957416N4160HC.json

Important Note!

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

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

- Broadcom NetXtreme-E Driver for Microsoft Windows Server, version 238.1.110.0 or later
- HPE Broadcom NetXtreme-E Drivers for Linux, version 1.10.3-238.1.165.0 or later
- HPE Broadcom NetXtreme-E Drivers for VMware, version 2026.09.00 or later

Fixes

- This product fixes an issue where retransmitted NC-SI responses could use an incorrect MCTP tag, causing the response to be discarded or misrouted.

Enhancements

- This product added Secure Boot support using the Microsoft Option ROM UEFI CA 2023 certificate.

Supported Devices and Features

This product supports the following network adapters:

- HPE Ethernet 10Gb 2-port BaseT BCM57416 OCP3 Adapter

Broadcom Firmware Package for BCM57504 Ethernet 10/25Gb 4-port SFP28 Adapter
Version: 238.1.169.0 (B) **(Recommended)**
Filename: BCM238.1.169.0_BCM957504-P425H.fwpkg; BCM238.1.169.0_BCM957504-P425H.json

Important Note!

Please note that this firmware package is intended for HPE ProLiant Gen10, Gen10 Plus, Gen11 and Gen12 platforms.
The firmware update method has changed from a PLDM-based update through iLO to an FMP-based update through UEFI. Please carefully review the instructions below before proceeding with the firmware update.

For Firmware installation, there is no OS and drivers dependency.
For Firmware compatibility during production, HPE recommends the drivers for use with the firmware Package product as below,

- Broadcom NetXtreme-E Driver for Microsoft Windows Server, version 238.1.110.0 or later
- HPE Broadcom NetXtreme-E Drivers for Linux, version 1.10.3-238.1.165.0 or later
- HPE Broadcom NetXtreme-E Drivers for VMware, version 2026.09.00 or later

Fixes

- This product fixes an issue where the adapter might not be detected after PCIe disable/enable cycles by coordinating hardware reset and GPIO access.

Enhancements

- This product added Secure Boot support using the Microsoft Option ROM UEFI CA 2023 certificate.

Supported Devices and Features

This product supports the following network adapters:

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

Broadcom Firmware Package for BCM57504 Ethernet 10/25Gb 4-port SFP28 OCP3 Adapter
Version: 238.1.169.0 (B) **(Recommended)**
Filename: BCM238.1.169.0_BCM957504-N425H.fwpkg; BCM238.1.169.0_BCM957504-N425H.json

Important Note!

Please note that this firmware package is intended for HPE ProLiant Gen10, Gen10 Plus, Gen11 and Gen12 platforms.
The firmware update method has changed from a PLDM-based update through iLO to an FMP-based update through UEFI. Please carefully review the instructions below before proceeding with the firmware update.

For Firmware installation, there is no OS and drivers dependency.
For Firmware compatibility during production, HPE recommends the drivers for use with the firmware Package product as below,

- Broadcom NetXtreme-E Driver for Microsoft Windows Server, version 238.1.110.0 or later
- HPE Broadcom NetXtreme-E Drivers for Linux, version 1.10.3-238.1.165.0 or later
- HPE Broadcom NetXtreme-E Drivers for VMware, version 2026.09.00 or later

Fixes

This product fixes an issue where the adapter might not be detected after PCIe disable/enable cycles by coordinating hardware reset and GPIO access.

Enhancements

- This product added Secure Boot support using the Microsoft Option ROM UEFI CA 2023 certificate.

Supported Devices and Features

This product supports the following network adapters:

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

Broadcom Firmware Package for BCM57504 SFP28 adapters
Version: 235.1.220.0 **(Recommended)**
Filename: BCM235.1.220.0_BCM957504-P425H.fwpkg; BCM235.1.220.0_BCM957504-P425H.json

Important Note!

For Firmware installation, there is no OS and drivers dependency.
For Firmware compatibility during production, HPE recommends the drivers for use with the firmware Package product as below,

- o Broadcom NetXtreme-E Driver for Microsoft Windows Server, version 235.1.122.0 or later
- o HPE Broadcom NetXtreme-E Drivers for Linux, version 1.10.3-235.1.164.0 or later
- o HPE Broadcom NetXtreme-E Drivers for VMware, version 2025.11.00 or later

Enhancements

This product is bunny hop for Thor 237 fwpkg

Supported Devices and Features

This product supports the following network adapters:

- o Broadcom BCM57504 Ethernet 10/25Gb 4-port SFP28 Adapter for HPE

Broadcom Firmware Package for BCM57504 SFP28 OCP3 adapters
Version: 235.1.220.0 (**Recommended**)
Filename: BCM235.1.220.0_BCM957504-N425H.fwpkg; BCM235.1.220.0_BCM957504-N425H.json

Important Note!

For Firmware installation, there is no OS and drivers dependency.
For Firmware compatibility during production, HPE recommends the drivers for use with the firmware Package product as below,

- o Broadcom NetXtreme-E Driver for Microsoft Windows Server, version 235.1.122.0 or later
- o HPE Broadcom NetXtreme-E Drivers for Linux, version 1.10.3-235.1.164.0 or later
- o HPE Broadcom NetXtreme-E Drivers for VMware, version 2025.11.00 or later

Enhancements

This product is bunny hop for Thor 237 fwpkg

Supported Devices and Features

This product supports the following network adapters:

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

Broadcom NX1 Online Firmware Upgrade Utility for VMware
Version: 1.45.0 (**Recommended**)
Filename: CP072707.compsig; CP072707.zip

Important Note!

This software package contains combo image v20.38.51 with the following firmware versions:

NIC	Boot Code Version	PXE Version	NCSI Version	UEFI Version
BCM 5719 1GbE 4p BASE-T Adptr	1.68	21.6.4	1.5.77	21.6.113
BCM 5719 1GbE 4p BASE-T OCP3 Adptr	1.68	21.6.4	1.5.77	21.6.113
BCM 5719 1GbE 4p BASE-T LOM Adptr	1.68	21.6.4	1.5.77	21.6.113
BCM 5720 1GbE 2p BASE-T LOM Adptr	1.46	21.6.4	1.5.77	21.6.113

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 an issue where the MAC address of port 4 on BCM5719 adapters could change unexpectedly.

Enhancements

- o This product added Secure Boot support using the Microsoft Option ROM UEFI CA 2023 certificate.

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

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

Important Note!

HPE recommends *HPE Broadcom NetXtreme-E Drivers for VMware*, versions 2026.09.00 or later, for use with this firmware.

This software package contains NVM Image version 238.1.169000 with the following firmware versions:

NIC	Bootcode Version	NCSI Version	MBA Version	UEFI Version	RoCE Version
HPE Ethernet 10Gb 2-port 535FLR-T Adapter	238.1.168.0	238.1.168.0	238.1.154.0	238.1.154.0	238.1.168.0
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 fixes an issue where retransmitted NC-SI responses could use an incorrect MCTP tag, causing the response to be discarded or misrouted.
- o This product fixes an issue where ports without pluggable optical modules could incorrectly report the module status as "Not Inserted" instead of "Not Applicable."

Enhancements

- o This product added Secure Boot support using the Microsoft Option ROM UEFI CA 2023 certificate.

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 NX1 Online Firmware Upgrade Utility VMware for HPE ProLiant Gen10 server series Only.

Version: 1.45.0 (**Recommended**)

Filename: CP072704.compsig; CP072704.zip

Important Note!

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

This software package contains combo image v20.38.51 with the following firmware versions:

NIC	Boot Code Version	PXE Version	NCSI Version	UEFI Version
HPE Ethernet 1Gb 4-port 331i Adapter (22BE) HPE Ethernet 1Gb 4-port 331FLR Adapter HPE Ethernet 1Gb 4-port 331T Adapter	1.68	21.6.4	1.5.77	21.6.113
HPE Ethernet 1Gb 2-port 332i Adapter (22E8) HPE Ethernet 1Gb 2-port 332T Adapter	1.46	21.6.4	1.5.77	21.6.113

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.

Enhancements

- o This product added Secure Boot support using the Microsoft Option ROM UEFI CA 2023 certificate.

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: 3.31.0 (**Recommended**)

Filename: CP072304.compsig; CP072304.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	1.4008.0	N/A
HPE Ethernet 1Gb 2-port 361T Adapter	80001147	1.4008.0	N/A
HPE Ethernet 1Gb 4-port 366FLR Adapter	800011A1	1.4008.0	N/A
HPE Ethernet 1Gb 4-port 366T Adapter	800011F1	1.4008.0	N/A
HPE Ethernet 1Gb 2-port 368i Adapter	80003AC5	1.4008.0	N/A
HPE Ethernet 1Gb 2-port 368FLR-MMT Adapter	80003AC2	1.4008.0	N/A
HPE Ethernet 1Gb 4-port 369i Adapter	80003AC3	1.4008.0	N/A
HPE Ethernet 10Gb 2-port 568i Adapter	80003AC4	1.4008.0	N/A
HPE Ethernet 10Gb 2-port 568FLR-MMSFP+ Adapter	80003AC2	1.4008.0	N/A
HPE Ethernet 10Gb 2-port 568FLR-MMT Adapter	80003AC2	1.4008.0	N/A
HPE Ethernet 10Gb 2-port 563i Adapter	800035C0	1.4008.0	N/A
HPE Ethernet 10Gb 2-port 562FLR-SFP+ Adapter	8000F231	1.4008.0	11.1.7
HPE Ethernet 10Gb 2-port 562FLR-T Adapter	800016F1	1.4008.0	10.55.3
HPE Ethernet 10Gb 2-port 562SFP+ Adapter	8000F232	1.4008.0	11.1.7
HPE Ethernet 10Gb 2-port 562T Adapter	800016EF	1.4008.0	10.55.3

The combo image v1.4008.0 includes: Boot Agent: 1GbE - v1.5.90, 10GbE - v2.4.59, 40GbE - v1.1.45 & UEFI Drivers: 1GbE - v9.9.16, 10GbE - v8.3.17, 40GbE - v5.0.52

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

Prerequisites

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

Fixes

- o This product fixed UEFI preboot issues that could cause unexpected management interface resets, link initialization delays, or setup screen crashes on supported adapters.
- o This product fixed default MAC address restore behavior for supported 10GbE adapters.
- o This product fixed SMBus timing behavior to better meet SMBus 2.0 timing requirements.

Enhancements

- o This product added Secure Boot support using the Microsoft Option ROM UEFI CA 2023 certificate.
- o This product enhanced UEFI firmware management and firmware version reporting for supported 10GbE adapters.

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

HPE QLogic FastLinQ Firmware Package for Arrowhead adapters

Version: 8.65.31 (**Recommended**)

Filename: ql_hp_ah_mbi_8.65.31_pldm.fwpkg

Important Note!

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

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

- o HPE QLogic FastLinQ 10/25/50 GbE Drivers for Linux, version 8.76.6.0-1 or later
- o HPE QLogic FastLinQ 10/25/50 GbE Drivers for Microsoft Windows Server x64 Editions, version 8.72.21.0 or later
- o HPE QLogic FastLinQ 10/25/50 GbE Multifunction Drivers for VMware, version 2025.09.00 or later

This software package contains combo image v8.65.31. This combo image includes: Boot Code (MFW): 8.65.7.0, PXE: 2.0.19, and UEFI: 4.1.13.2.

This release updates the UEFI MBI signing certificate from Microsoft UEFI CA 2011 to Microsoft UEFI CA 2023. Systems that have not been updated to trust Microsoft UEFI CA 2023 may not load the UEFI MBI when Secure Boot is enabled. Verify platform support before applying this update. For more details, see: https://support.hpe.com/hpsc/public/docDisplay?docLocale=en_US&docId=a00156355en_us

Enhancements

Updated UEFI MBI signing from Microsoft UEFI CA 2011 to Microsoft UEFI CA 2023

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 Adapter
- o HPE StoreFabric CN1200R-T Converged Network Adapter

- o HPE StoreFabric CN1300R Converged Network Adapter

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

HPE QLogic FastLinQ Online Firmware Upgrade Utility for VMware
Version: 4.21.0 **(Recommended)**
Filename: CP072520.compsig; CP072520.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 v8.65.31 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.

This release updates the UEFI MBI signing certificate from Microsoft UEFI CA 2011 to Microsoft UEFI CA 2023. Systems that have not been updated to trust Microsoft UEFI CA 2023 may not load the UEFI MBI when Secure Boot is enabled. Verify platform support before applying this update. For more details, see: https://support.hpe.com/hpsc/public/docDisplay?docLocale=en_US&docId=a00156355en_us

Prerequisites

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

Enhancements

Updated UEFI MBI signing from Microsoft UEFI CA 2011 to Microsoft UEFI CA 2023

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

HPE QLogic NX2 Online Firmware Upgrade Utility for VMware
Version: 1.38.0 **(Recommended)**
Filename: CP072523.compsig; CP072523.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 v7.19.31 with the following firmware versions:

NIC	Boot Code Version	PXE Version	UEFI Version	iSCSI Version	FCoE Version	CCM Version	L2 Version
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

This release updates the UEFI MBI signing certificate from Microsoft UEFI CA 2011 to Microsoft UEFI CA 2023. Systems that have not been updated to trust Microsoft UEFI CA 2023 may not load the UEFI MBI when Secure Boot is enabled. Verify platform support before applying this update. For more details, see: https://support.hpe.com/hpsc/public/docDisplay?docLocale=en_US&docId=a00156355en_us

Prerequisites

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

Enhancements

Updated UEFI MBI signing from Microsoft UEFI CA 2011 to Microsoft UEFI CA 2023

Supported Devices and Features

This product supports the following network adapters:

- o HPE Ethernet 10Gb 2-port 530SFP+ Adapter
- o HPE Ethernet 10Gb 2-port 530T Adapter
- o 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 Firmware Package For E810-2CQDA2 Ethernet 100Gb 2-port QSFP28 Adapter

Version: 4.20 (**Recommended**)

Filename: HPE_E810_2CQDA2_O_SEC_4p20_PLDMoMCTP_80017784.fwpkg

Important Note!

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

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

- o Intel icea Driver for Microsoft Windows Server, version 1.12.164.0 or later
- o Intel ice Drivers for Linux, version 1.11.14-1 or later
- o Intel icen Driver for VMware, version 2023.09.00 or later

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

Fixes

- o This product addresses an issue where InterfaceEnabled property is read only and it can't patch this property
- o This product addresses an issue where UMCE is seen

Enhancements

This product now supports ResetToDefault property(RDE Port Schema).

Supported Devices and Features

This product supports the following network adapters:

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

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

Version: 5.00 (**Recommended**)

Filename: HPE_E810_2CQDA2_O_SEC_5p0_PLDMoMCTP_80021BCE.fwpkg; HPE_E810_2CQDA2_O_SEC_5p0_PLDMoMCTP_80021BCE.json

Important Note!

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

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

- o Intel icea Driver for Microsoft Windows Server, version 1.18.71.0 or later
- o Intel ice Drivers for Linux, version 2.6.6-1 or later
- o Intel icen Driver for VMware, version 2026.09.00 or later

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

Fixes

- This product fixed LLDP receive reporting so the port information is populated correctly.

Enhancements

- This product added Secure Boot support using the Microsoft Option ROM UEFI CA 2023 certificate.
- This product enhanced the E810 firmware package with the latest CVL production firmware image.
- This product enhanced UEFI firmware management consistency with supported adapters.

Supported Devices and Features

This product supports the following network adapters:

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

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

Version: 4.20 (**Recommended**)

Filename: HPE_E810_CQDA2_4p20_PLDMoMCTP_80017785.fwpkg

Important Note!

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

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

- Intel icea Driver for Microsoft Windows Server, version 1.12.164.0 or later
- Intel ice Drivers for Linux, version 1.11.14-1 or later
- Intel icen Driver for VMware, version 2023.09.00 or later

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

Fixes

- This product addresses an issue where InterfaceEnabled property is read only and it can't patch this property
- This product addresses an issue where UMCE is seen

Enhancements

This product now supports ResetToDefault property(RDE Port Schema).

Supported Devices and Features

This product supports the following network adapters:

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

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

Version: 5.00 (**Recommended**)

Filename: HPE_E810_CQDA2_5p0_PLDMoMCTP_80021BCC.fwpkg; HPE_E810_CQDA2_5p0_PLDMoMCTP_80021BCC.json

Important Note!

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

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

- Intel icea Driver for Microsoft Windows Server, version 1.18.71.0 or later
- Intel ice Drivers for Linux, version 2.6.6-1 or later
- Intel icen Driver for VMware, version 2026.09.00 or later

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

Fixes

- This product fixed LLDP receive reporting so the port information is populated correctly.

Enhancements

- This product added Secure Boot support using the Microsoft Option ROM UEFI CA 2023 certificate.
- This product enhanced the E810 firmware package with the latest CVL production firmware image.
- This product enhanced UEFI firmware management consistency with supported adapters.

Supported Devices and Features

This product supports the following network adapters:

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

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

Version: 4.20 (**Recommended**)

Filename: HPE_E810_CQDA2_OCP_4p20_NCSIwPLDMoMCTP_80017783.fwpkg

Important Note!

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

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

- o Intel icea Driver for Microsoft Windows Server, version 1.12.164.0 or later
- o Intel ice Drivers for Linux, version 1.11.14-1 or later
- o Intel icen Driver for VMware, version 2023.09.00 or later

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

Fixes

- o This product addresses an issue where InterfaceEnabled property is read only and it can't patch this property
- o This product addresses an issue where UMCE is seen

Enhancements

This product now supports ResetToDefault property(RDE Port Schema).

Supported Devices and Features

This product supports the following network adapters:

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

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

Version: 5.00 (**Recommended**)

Filename: HPE_E810_CQDA2_OCP_5p0_NCSIwPLDMoMCTP_80021BD1.fwpkg; HPE_E810_CQDA2_OCP_5p0_NCSIwPLDMoMCTP_80021BD1.json

Important Note!

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

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

- o Intel icea Driver for Microsoft Windows Server, version 1.18.71.0 or later
- o Intel ice Drivers for Linux, version 2.6.6-1 or later
- o Intel icen Driver for VMware, version 2026.09.00 or later

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

Fixes

- o This product fixed LLDP receive reporting so the port information is populated correctly.

Enhancements

- o This product added Secure Boot support using the Microsoft Option ROM UEFI CA 2023 certificate.
- o This product enhanced the E810 firmware package with the latest CVL production firmware image.
- o This product enhanced UEFI firmware management consistency with supported adapters.

Supported Devices and Features

This product supports the following network adapters:

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

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

Version: 4.20 (**Recommended**)

Filename: HPE_E810_XXVDA2_SD_4p20_PLDMoMCTP_8001778C.fwpkg

Important Note!

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

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

- o Intel icea Driver for Microsoft Windows Server, version 1.12.164.0 or later
- o Intel ice Drivers for Linux, version 1.11.14-1 or later
- o Intel icen Driver for VMware, version 2023.09.00 or later

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

Fixes

- o This product addresses an issue where InterfaceEnabled property is read only and it can't patch this property
- o This product addresses an issue where UMCE is seen

Enhancements

This product now supports ResetToDefault property(RDE Port Schema).

Supported Devices and Features

This product supports the following network adapters:

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

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

Version: 5.00 (**Recommended**)

Filename: HPE_E810_XXVDA2_SD_5p0_PLDMoMCTP_80021BD4.fwpkg; HPE_E810_XXVDA2_SD_5p0_PLDMoMCTP_80021BD4.json

Important Note!

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

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

- Intel icea Driver for Microsoft Windows Server, version 1.18.71.0 or later
- Intel ice Drivers for Linux, version 2.6.6-1 or later
- Intel icen Driver for VMware, version 2026.09.00 or later

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

Fixes

- This product fixed LLDP receive reporting so the port information is populated correctly.

Enhancements

- This product added Secure Boot support using the Microsoft Option ROM UEFI CA 2023 certificate.
- This product enhanced the E810 firmware package with the latest CVL production firmware image.
- This product enhanced UEFI firmware management consistency with supported adapters.

Supported Devices and Features

This product supports the following network adapters:

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

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

Version: 4.20 (**Recommended**)

Filename: HPE_E810_XXVDA2_SD_OCP_4p20_NCSIwPLDMoMCTP_80017787.fwpkg

Important Note!

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

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

- Intel icea Driver for Microsoft Windows Server, version 1.12.164.0 or later
- Intel ice Drivers for Linux, version 1.11.14-1 or later
- Intel icen Driver for VMware, version 2023.09.00 or later

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

Fixes

- This product addresses an issue where InterfaceEnabled property is read only and it can't patch this property
- This product addresses an issue where UMCE is seen

Enhancements

This product now supports ResetToDefault property(RDE Port Schema).

Supported Devices and Features

This product supports the following network adapters:

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

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

Version: 5.00 (**Recommended**)

Filename: HPE_E810_XXVDA2_SD_OCP_5p0_NCSIwPLDMoMCTP_80021BD3.fwpkg; HPE_E810_XXVDA2_SD_OCP_5p0_NCSIwPLDMoMCTP_80021BD3.json

Important Note!

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

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

- Intel icea Driver for Microsoft Windows Server, version 1.18.71.0 or later
- Intel ice Drivers for Linux, version 2.6.6-1 or later
- Intel icen Driver for VMware, version 2026.09.00 or later

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

Fixes

- This product fixed LLDP receive reporting so the port information is populated correctly.

Enhancements

- This product added Secure Boot support using the Microsoft Option ROM UEFI CA 2023 certificate.
- This product enhanced the E810 firmware package with the latest CVL production firmware image.
- This product enhanced UEFI firmware management consistency with supported adapters.

Supported Devices and Features

This product supports the following network adapters:

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

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

Version: 4.20 (**Recommended**)

Filename: HPE_E810_XXVDA4_FH_4p20_PLDMoMCTP_80017789.fwpkg

Important Note!

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

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

- Intel icea Driver for Microsoft Windows Server, version 1.12.164.0 or later
- Intel ice Drivers for Linux, version 1.11.14-1 or later
- Intel icen Driver for VMware, version 2023.09.00 or later

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

Fixes

- This product addresses an issue where InterfaceEnabled property is read only and it can't patch this property
- This product addresses an issue where UMCE is seen

Enhancements

This product now supports ResetToDefault property(RDE Port Schema).

Supported Devices and Features

This product supports the following network adapters:

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

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

Version: 5.00 (**Recommended**)

Filename: HPE_E810_XXVDA4_FH_5p0_PLDMoMCTP_80021BD5.fwpkg; HPE_E810_XXVDA4_FH_5p0_PLDMoMCTP_80021BD5.json

Important Note!

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

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

- Intel icea Driver for Microsoft Windows Server, version 1.18.71.0 or later
- Intel ice Drivers for Linux, version 2.6.6-1 or later
- Intel icen Driver for VMware, version 2026.09.00 or later

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

Fixes

- This product fixed LLDP receive reporting so the port information is populated correctly.

Enhancements

- This product added Secure Boot support using the Microsoft Option ROM UEFI CA 2023 certificate.
- This product enhanced the E810 firmware package with the latest CVL production firmware image.
- This product enhanced UEFI firmware management consistency with supported adapters.

Supported Devices and Features

This product supports the following network adapters:

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

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

Version: 4.20 (**Recommended**)

Important Note!

For Firmware installation, there is no OS and drivers dependency.
For Firmware compatibility during production, HPE recommends the drivers for use with the firmware Package product as below,

- o Intel icea Driver for Microsoft Windows Server, version 1.12.164.0 or later
- o Intel ice Drivers for Linux, version 1.11.14-1 or later
- o Intel icen Driver for VMware, version 2023.09.00 or later

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

Fixes

- o This product addresses an issue where InterfaceEnabled property is read only and it can't patch this property
- o This product addresses an issue where UMCE is seen

Enhancements

This product now supports ResetToDefault property(RDE Port Schema).

Supported Devices and Features

This product supports the following network adapters:

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

Intel Firmware Package For E810-XXVDA4 Ethernet 10/25Gb 4-port SFP28 OCP3 Adapter
Version: 5.00 (**Recommended**)
Filename: HPE_E810_XXV4_OCP_5p0_NCSIwPLDMoMCTP_80021BCD.fwpkg; HPE_E810_XXV4_OCP_5p0_NCSIwPLDMoMCTP_80021BCD.json

Important Note!

For Firmware installation, there is no OS and drivers dependency.
For Firmware compatibility during production, HPE recommends the drivers for use with the firmware Package product as below,

- o Intel icea Driver for Microsoft Windows Server, version 1.18.71.0 or later
- o Intel ice Drivers for Linux, version 2.6.6-1 or later
- o Intel icen Driver for VMware, version 2026.09.00 or later

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

Fixes

- o This product fixed LLDP receive reporting so the port information is populated correctly.

Enhancements

- o This product added Secure Boot support using the Microsoft Option ROM UEFI CA 2023 certificate.
- o This product enhanced the E810 firmware package with the latest CVL production firmware image.
- o This product enhanced UEFI firmware management consistency with supported adapters.

Supported Devices and Features

This product supports the following network adapters:

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

Intel Online Firmware Upgrade Utility for VMware
Version: 3.30.0 (**Recommended**)
Filename: CP072308.compsig; CP072308.zip

Important Note!

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

NIC	EEPROM/NVM Version	OROM Version	NVM Version
HPE Ethernet 10Gb 2-port SFP+ OCP3 X710-DA2 Adapter	80010346	1.4002.0	9.57
HPE Ethernet 10Gb 2-port SFP+ X710-DA2 Adapter	80010350	1.4002.0	9.57
Intel I350-T4 Ethernet 1Gb 4-port BASE-T Adapter	8000123F	1.4002.0	N/A
Intel I350-T4 Ethernet 1Gb 4-port BASE-T OCP3 Adapter	80001234	1.4002.0	N/A
Intel(R) I350 Gigabit Network Connection (2-port)	8000119C	1.4002.0	N/A
Intel(R) I350 Gigabit Network Connection (4-port)	8000119D	1.4002.0	N/A

The combo image v1.4002.0 includes: Boot Agent: 1GbE - v1.5.90, 10GbE - v2.4.59, 40GbE - v1.1.45 & UEFI Drivers: 1GbE - v9.9.16, 10GbE - v8.3.17, 40GbE - v5.0.52
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 UEFI preboot issues that could cause unexpected management interface resets, link initialization delays, or setup screen crashes on supported adapters.
- o This product fixed default MAC address restore behavior for supported 10GbE adapters.
- o This product fixed SMBus timing behavior to better meet SMBus 2.0 timing requirements.

Enhancements

- o This product added Secure Boot support using the Microsoft Option ROM UEFI CA 2023 certificate.
- o This product enhanced UEFI firmware management and firmware version reporting for supported 10GbE adapters.

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 Firmware Package for Arrowhead adapters

Version: 8.65.31 **(Recommended)**

Filename: ql_ah_mbi_open_8.65.31_pldm.fwpkg

Important Note!

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

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

- o Marvell FastLinQ 10/25/50 GbE Drivers for Microsoft Windows Server x64 Editions, version 8.72.21.0 or later
- o HPE QLogic FastLinQ 10/25/50 GbE Drivers for Linux, version 8.76.6.0-1 or later
- o HPE QLogic FastLinQ 10/25/50 GbE Multifunction Drivers for VMware, version 2025.09.00 or later

This release updates the UEFI MBI signing certificate from Microsoft UEFI CA 2011 to Microsoft UEFI CA 2023. Systems that have not been updated to trust Microsoft UEFI CA 2023 may not load the UEFI MBI when Secure Boot is enabled. Verify platform support before applying this update. For more details, see: https://support.hpe.com/hpesc/public/docDisplay?docLocale=en_US&docId=a00156355en_us

Enhancements

Updated UEFI MBI signing from Microsoft UEFI CA 2011 to Microsoft UEFI CA 2023

Supported Devices and Features

This product supports the following network adapters:

- o HPE Ethernet 10/25Gb 2-port SFP28 QL41232HLCU Adapter
- o HPE Ethernet 10/25Gb 2-port SFP28 QL41232HQCUC OCP3 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+ QL41132HLCU Adapter
- o HPE Ethernet 10Gb 2-port SFP+ QL41132HQCUC OCP3 Adapter
- o HPE Ethernet 10Gb 4-port SFP+ QL41134HLCU 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 QL41232HQCUC 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

Mellanox Firmware Package (FWPKG) for HPE Edgeline e920 ConnectX-6Lx 10Gb 2-port Mezzanine Adapter : HPE part number P40899-B21

Version: 26.43.1014 **(Recommended)**

Filename: 26_43_1014-FWEdgelinee920ConnectX-6Lx10Gb2-portNetworkMezzanine_Ax.pldm.fwpkg; 26_43_1014-FWEdgelinee920ConnectX-6Lx10Gb2-portNetworkMezzanine_Ax.pldm.json

Prerequisites

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

Fixes

The following issues have been fixed in version 26.43.1014:

Enhancements

Security Hardening Enhancements: This release contains important reliability improvements and security hardening enhancements. HPE recommends upgrading your device's firmware to this release to improve the firmware security and reliability of your device.

New features and changes included in version 26.43.1014:

Supported Devices and Features

This software package contains the following firmware versions:

Mellanox InfiniBand Adapter	Firmware Version	PSID
HPE Edgeline e920 ConnectX-6Lx 10Gb 2-port Mezzanine Adapter(P40899-B21)	26.43.1014	HPE0000000059

Mellanox Firmware Package(FWPKG) for HPE NVIDIA Ethernet 100Gb 2-port NVMe-oF Offload Adapter for HPE

Version: 22.45.1020 **(Recommended)**

Filename: 22_45_1020-R8M41-63001_Ax_header.pldm.fwpkg

Prerequisites

FWPKG will work only if the firmware version flashed on the adapter is 22.27.1016 or later and iLO5 firmware version must be 2.30 or higher.

Enhancements

Upgraded to version 22.45.1020

Supported Devices and Features

HPE Part Number	Mellanox Ethernet Only Adapters	PSID
P46603-B21	NVIDIA Ethernet 100Gb 2-port NVMe-oF Offload Adapter for HPE	HPE0000000062

Mellanox Firmware Package(FWPKG) for NVIDIA Ethernet 10/25Gb 2-port SFP28 NVMe-oF Crypto Adapter for HPE

Version: 26.45.1020 **(Recommended)**

Filename: 26_45_1020-S2A69-63001_Ax_header.pldm.fwpkg

Prerequisites

FWPKG will work only if the firmware version flashed on the adapter is 22.27.1016 or later and iLO5 firmware version must be 2.30 or higher.

Enhancements

Upgraded to version 26.45.1020

Supported Devices and Features

HPE SKU Part Number	Mellanox Ethernet Only Adapters	PSID
S2A69A	NVIDIA Ethernet 10/25Gb 2-port SFP28 NVMe-oF Crypto Adapter for HPE	HPE0000000077

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

Version: 26.49.1014 (A) **(Recommended)**

Filename: 26_49_1014-MCX631102AS-ADA_Ax.pldm.fwpkg; 26_49_1014-MCX631102AS-ADA_Ax.pldm.json

Important Note!

Disclaimer: Certain software including drivers and documents may be available from NVIDIA. If you select a URL that directs you to <http://www.nvidia.com/>, you are then leaving HPE.com. Please follow the instructions on <http://www.nvidia.com/> to download NVIDIA software or documentation. When downloading the NVIDIA software or documentation, you may be subject to NVIDIA terms and conditions, including licensing terms, if any, provided on its website or otherwise. HPE is not responsible for your use of any software or documents that you download from <http://www.nvidia.com/>, except that HPE may provide a limited warranty for NVIDIA software in accordance with the terms and conditions of your purchase of the HPE product or solution.

A list of known issues with this release is available under Section 6 in : <https://docs.nvidia.com/nvidia-connectx-6-lx-adapter-cards-firmware-release-notes-v26-49-1014.pdf>

Prerequisites

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

Fixes

The following issues have been fixed in version 26.49.1014:

- o Live migration target would not receive a port state change event on the resume VHCA command. The target now generates this event so software that depends on port state is notified of any changes.
- o PCC issue where RDMA traffic would stall at large scale for certain IP and UDP source-port combinations when a PCC user algorithm was active and no CC algorithm was configured in slot 0.

Enhancements

Changes included in version 26.49.1014(A):

- o Product rebuilt with dual signing key (RSA + ML-DSA).

No new features or changes are included in version 26.49.1014.

Supported Devices and Features

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

NVIDIA Firmware Package (FWPKG) - Mellanox MCX631432AS-ADAI Ethernet 10/25Gb 2-port SFP28 OCP3 Adapter for HPE

Version: 26.49.1014 (A) **(Recommended)**

Filename: 26_49_1014-MCX631432AS-ADA_Ax.pldm.fwpkg; 26_49_1014-MCX631432AS-ADA_Ax.pldm.json

Important Note!

Disclaimer: Certain software including drivers and documents may be available from NVIDIA. If you select a URL that directs you to <http://www.nvidia.com/>, you are then leaving HPE.com. Please follow the instructions on <http://www.nvidia.com/> to download NVIDIA software or documentation. When downloading the NVIDIA software or documentation, you may be subject to NVIDIA terms and conditions, including licensing terms, if any, provided on its website or otherwise. HPE is not responsible for your use of any software or documents that you download from <http://www.nvidia.com/>, except that HPE may provide a limited warranty for NVIDIA software in accordance with the terms and conditions of your purchase of the HPE product or solution.

A list of known issues with this release is available under Section 6 in : <https://docs.nvidia.com/nvidia-connectx-6-lx-adapter-cards-firmware-release-notes-v26-49-1014.pdf>

Prerequisites

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

Fixes

The following issues have been fixed in version 26.49.1014:

- o Live migration target would not receive a port state change event on the resume VHCA command. The target now generates this event so software that depends on port state is notified of any changes.
- o PCC issue where RDMA traffic would stall at large scale for certain IP and UDP source-port combinations when a PCC user algorithm was active and no CC algorithm was configured in slot 0.

Enhancements

Changes included in version 26.49.1014(A):

- o Product rebuilt with dual signing key (RSA + ML-DSA).

No new features or changes are included in version 26.49.1014.

Supported Devices and Features

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

NVIDIA Firmware Package (FWPKG) for HPE Ethernet 100Gb 1-port QSFP28 PCIe3 x16 MCX515A-CCAT Adapter : HPE part numbers P31246-B21 and P31246-H21
Version: 16.35.8008 **(Recommended)**
Filename: 16_35_8008-MCX515A-CCA_HPE_Ax.pldm.fwpgk; 16_35_8008-MCX515A-CCA_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.

Disclaimer: Certain software including drivers and documents may be available from NVIDIA. If you select a URL that directs you to <http://www.nvidia.com/>, you are then leaving HPE.com. Please follow the instructions on <http://www.nvidia.com/> to download NVIDIA software or documentation. When downloading the NVIDIA software or documentation, you may be subject to NVIDIA terms and conditions, including licensing terms, if any, provided on its website or otherwise. HPE is not responsible for your use of any software or documents that you download from <http://www.nvidia.com/>, except that HPE may provide a limited warranty for NVIDIA software in accordance with the terms and conditions of your purchase of the HPE product or solution.

A list of known issues with this release is available at: <https://networking-docs.nvidia.com/connectx5fwrn/16358008/known-issues>

Prerequisites

FWPKG will work only if the firmware version flashed on the adapter is 16.27.1016 or later and iLO5 firmware version must be 2.30 or higher.

Fixes

No fixes are included in version 16.35.8008.

Enhancements

New features and changes included in version 16.35.8008:

- 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.

Please also refer to the HPE advisory on Microsoft Windows UEFI CA 2023 certificate update: https://support.hpe.com/hpesc/public/docDisplay?docId=a00156355en_us&docLocale=en_US

Supported Devices and Features

This software package contains the following firmware versions:

NVIDIA Ethernet Only Adapters	Firmware Version	PSID
HPE Ethernet 100Gb 1-port QSFP28 PCIe3 x16 MCX515A-CCAT Adapter(P31246-B21 and P31246-H21)	16.35.8008	MT_0000000591

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.fwpgk; 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/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.

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".

Please also refer to the HPE advisory on Microsoft Windows UEFI CA 2023 certificate update: https://support.hpe.com/hpesc/public/docDisplay?docId=a00156355en_us&docLocale=en_US

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 QSP56 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 QSP56 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/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.

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".

Please also refer to the HPE advisory on Microsoft Windows UEFI CA 2023 certificate update: https://support.hpe.com/hpesc/public/docDisplay?docId=a00156355en_us&docLocale=en_US

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 QSP56 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 QSP56 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:

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.

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/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.

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".

Please also refer to the HPE advisory on Microsoft Windows UEFI CA 2023 certificate update: https://support.hpe.com/hpsc/public/docDisplay?docId=a00156355en_us&docLocale=en_US

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:

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.

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:

- 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.

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".

Please also refer to the HPE advisory on Microsoft Windows UEFI CA 2023 certificate update: https://support.hpe.com/hpsc/public/docDisplay?docId=a00156355en_us&docLocale=en_US

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.fwpgk; 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:

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/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.

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".

Please also refer to the HPE advisory on Microsoft Windows UEFI CA 2023 certificate update: https://support.hpe.com/hpsc/public/docDisplay?docId=a00156355en_us&docLocale=en_US

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.fwpgk; 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:

- 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.

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".

Please also refer to the HPE advisory on Microsoft Windows UEFI CA 2023 certificate update: https://support.hpe.com/hpesc/public/docDisplay?docId=a00156355en_us&docLocale=en_US

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: 28.49.1014 **(Recommended)**

Filename: 28_49_1014-MCX75310AAS-HEAT_HPE2_Ax.pldm.fwpkg; 28_49_1014-MCX75310AAS-HEAT_HPE2_Ax.pldm.json

Important Note!

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

1. HPE signed PLDM Firmware Package (.FWPKG filename extension) updatable via iLO.
2. Firmware binary (.bin filename extension) updatable via mstflint utility from the Operating System.

Choose the appropriate firmware file format based on your preference and what suits your environment.

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A list of known issues with this release is available at: <https://networking-docs.nvidia.com/connectx7fwrn/28.49.1014/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 28.49.1014:

- o NSM Get-Port-Network-Addresses returned an invalid format on B200/B300 HMC. It now follows the documented non-compact format.
- o An issue that could prevent the adapter's PCIe link from re-establishing after the host resumed from a deep power-down state. This fix improves the reliability of suspend/resume cycles.
- o A DEAD IRISC assert that could occur during TLV NV_DATA flash access by suspending the watchdog while waiting for flash IPC (until timeout), preventing the assert on TLV access.
- o An issue where repeatedly writing NVCONFIG TLVs could cause excessive NV_DATA partition swaps during garbage collection. This rapid cycling could accelerate flash wear (end-of-life at 100,000 erases) and potentially render the device inoperable. Firmware now avoids unnecessary physical writes by returning OK when the requested configuration already exists in flash, and increases the maximum supported NV_DATA partition swaps from 100,000 to 200,000.
- o ICM_RES_HW_DMFS_ENCAP_H_FW was allocated per GVMI, preventing some RTTs from using it.
- o vDPA doorbell resources were not released, which could cause failures when running other functionality after a vDPA FLR. Doorbell resources are now properly unlocked.
- o RDMA traffic could stall in large-scale deployments for certain source IP and UDP source-port combinations when DOCA PCC was active and no congestion-control algorithm was configured in algorithm slot 0.
- o The live migration target did not receive a port state change event on the resume VHCA command. The target now generates this event so software that depends on port state is notified of any changes.
- o A precopy image was processed during the stop-copy phase, causing prolonged downtime due to a software limitation. The handling was slow because the handler performed a linear search for data; this was improved by replacing it with a faster search approach enabled via compile-time preprocessing.
- o QPs established before loading DOCA PCC could exhibit inconsistent algorithm-selected behavior between ports in LAG mode after DOCA PCC is loaded.

Enhancements

New features and changes included in version 28.49.1014:

- Added support for Congestion-Control histogram collection in the PCC/ZTR-RTT algorithm. After enabling this capability, customers can read RATE and RTT histogram counters for PCC-managed flows.
- Added a new parameter to the ZTR_RTTCC algorithm to define the probe-packet timeout threshold.
- Added support for a new packet reformat type for PSP transport packets. This reformat removes the PSP trailer and the UDP + PSP transport headers, and updates the IP Protocol field based on the PSP next_header value.

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

NVIDIA Firmware Package (FWPKG) for Mellanox MCX562A-ACAI Ethernet 10/25Gb 2-port SFP28 OCP3 Adapter for HPE

Version: 16.35.8008 (**Recommended**)

Filename: 16_35_8008-MCX562A-ACA_Ax_Bx.pldm.fwpkg; 16_35_8008-MCX562A-ACA_Ax_Bx.pldm.json

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A list of known issues with this release is available at: <https://networking-docs.nvidia.com/connectx5fwrn/16358008/known-issues>

Prerequisites

FWPKG will work only if the firmware version flashed on the adapter is 16.27.1016 or later and iLO5 firmware version must be 2.30 or higher.

Fixes

No fixes are included in version 16.35.8008.

Enhancements

New features and changes included in version 16.35.8008:

- 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.

Please also refer to the HPE advisory on Microsoft Windows UEFI CA 2023 certificate update: https://support.hpe.com/hpsc/public/docDisplay?docId=a00156355en_us&docLocale=en_US

Supported Devices and Features

HPE Part Number	NVIDIA Ethernet Only Adapters	PSID
P10112-B21	Mellanox MCX562A-ACAI Ethernet 10/25Gb 2-port SFP28 OCP3 Adapter for HPE	MT_0000000241

NVIDIA Firmware Package (FWPKG) for Mellanox MCX623105AS-VDAT Ethernet 200Gb 1-port QSFP56 Adapter for HPE

Version: 22.49.1014 (**Recommended**)

Filename: 22_49_1014-MCX623105AS-VDA_Ax.pldm.fwpkg; 22_49_1014-MCX623105AS-VDA_Ax.pldm.json

Important Note!

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A list of known issues with this release is available at: <https://networking-docs.nvidia.com/connectx6dxfrn/22.49.1014/known-issues>

Prerequisites

FWPKG will work only if the firmware version flashed on the adapter is 22.27.1016 or later and iLO5 firmware version must be 2.30 or higher.

Fixes

The following issues have been fixed in version 22.49.1014:

- vDPA doorbell resources were not released causing failures when running other functionality after a vDPA FLR. Doorbell resources are now properly unlocked.

- o Live migration target would not receive a port state change event on the resume VHCA command. The target now generates this event so software that depends on port state is notified of any changes.
- o PCC issue where RDMA traffic would stall at large scale for certain IP and UDP source-port combinations when a PCC user algorithm was active and no CC algorithm was configured in slot 0.

Enhancements

No new features or changes are included in version 22.49.1014.

Supported Devices and Features

HPE Part Number	Mellanox Ethernet Only Adapters	PSID
P10180-B21	Mellanox MCX623105AS-VDAT Ethernet 200Gb 1-port QSFP56 Adapter for HPE	MT_0000000435

NVIDIA Firmware Package (FWPKG) for Mellanox MCX623106AS-CDAT Ethernet 100Gb 2-port QSFP56 Adapter for HPE
Version: 22.49.1014 (A) **(Recommended)**
Filename: 22_49_1014-MCX623106AS-CDA_Ax.pldm.fwpkg; 22_49_1014-MCX623106AS-CDA_Ax.pldm.json

Important Note!

Disclaimer: Certain software including drivers and documents may be available from NVIDIA. If you select a URL that directs you to <http://www.nvidia.com/>, you are then leaving HPE.com. Please follow the instructions on <http://www.nvidia.com/> to download NVIDIA software or documentation. When downloading the NVIDIA software or documentation, you may be subject to NVIDIA terms and conditions, including licensing terms, if any, provided on its website or otherwise. HPE is not responsible for your use of any software or documents that you download from <http://www.nvidia.com/>, except that HPE may provide a limited warranty for NVIDIA software in accordance with the terms and conditions of your purchase of the HPE product or solution.

A list of known issues with this release is available at: <https://networking-docs.nvidia.com/connectx6dxfrn/22.49.1014/known-issues>

Prerequisites

FWPKG will work only if the firmware version flashed on the adapter is 22.27.1016 or later and iLO5 firmware version must be 2.30 or higher.

Fixes

The following issues have been fixed in version 22.49.1014:

- o vDPA doorbell resources were not released causing failures when running other functionality after a vDPA FLR. Doorbell resources are now properly unlocked.
- o Live migration target would not receive a port state change event on the resume VHCA command. The target now generates this event so software that depends on port state is notified of any changes.
- o PCC issue where RDMA traffic would stall at large scale for certain IP and UDP source-port combinations when a PCC user algorithm was active and no CC algorithm was configured in slot 0.

Enhancements

Changes included in version 22.49.1014(A):

- o Product rebuilt with dual signing key (RSA + ML-DSA).

No new features or changes are included in version 22.49.1014.

Supported Devices and Features

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

NVIDIA Firmware Package(FWPKG) for HPE Ethernet 10/25Gb 2-port SFP28 MCX512F-ACHT Adapter
Version: 16.35.8008 **(Recommended)**
Filename: 16_35_8008-MCX512F-ACH_Ax_Bx.pldm.fwpkg; 16_35_8008-MCX512F-ACH_Ax_Bx.pldm.json

Important Note!

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A list of known issues with this release is available at: <https://networking-docs.nvidia.com/connectx5fwrn/16358008/known-issues>

Prerequisites

FWPKG will work only if the firmware version flashed on the adapter is 16.27.1016 or later and iLO5 firmware version must be 2.30 or higher.

Fixes

No fixes are included in version 16.35.8008.

Enhancements

New features and changes included in version 16.35.8008:

- 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.

Please also refer to the HPE advisory on Microsoft Windows UEFI CA 2023 certificate update: https://support.hpe.com/hpesc/public/docDisplay?docId=a00156355en_us&docLocale=en_US

Supported Devices and Features

HPE Part Number	NVIDIA Ethernet Only Adapters	PSID
P13188-B21	HPE Ethernet 10/25Gb 2-port SFP28 MCX512F-ACHT Adapter	MT_0000000416

Online Firmware Upgrade Utility (ESXi 8.0) for HPE Ethernet 10Gb 2-port 548SFP+ Adapter

Version: 1.0.4 (**Recommended**)

Filename: CP072380.compsig; CP072380.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 14.32.1912.

Enhancements

New features and changes included in version 14.32.1912:

- 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.

Please also refer to the HPE advisory on Microsoft Windows UEFI CA 2023 certificate update: https://support.hpe.com/hpesc/public/docDisplay?docId=a00156355en_us&docLocale=en_US

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 8.0) for HPE Mellanox Ethernet only adapters

Version: 1.0.8 (**Recommended**)

Filename: CP072361.compsig; CP072361.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 14.32.1912.

No fixes are included in version 16.35.8008.

Enhancements

Firmware for the following devices has been updated to 14.32.1912:

- 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 16.35.8008:

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

New features and changes included in version 14.32.1912:

- 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.

New features and changes included in version 16.35.8008:

- 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.

Please also refer to the HPE advisory on Microsoft Windows UEFI CA 2023 certificate update: https://support.hpe.com/hpesc/public/docDisplay?docId=a00156355en_us&docLocale=en_US

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 8.0) for HPE Mellanox VPI (Ethernet and Infiniband mode) ConnectX4 and ConnectX5 devices on VMware ESXi 8.0
Version: 1.0.7 (**Recommended**)
Filename: CP072401.compsig; CP072401.zip

Fixes

No fixes are included in version 12.28.4706.

No fixes are included in version 16.35.8008.

Enhancements

Firmware for the following devices has been updated to 12.28.4706:

- 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 16.35.8008:

- 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)

New features and changes included in version 12.28.4706:

- 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.

New features and changes included in version 16.35.8008:

- 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.

Please also refer to the HPE advisory on Microsoft Windows UEFI CA 2023 certificate update: https://support.hpe.com/hpesc/public/docDisplay?docId=a00156355en_us&docLocale=en_US

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 8.0) for HPE NVIDIA VPI (Ethernet and Infiniband mode) ConnectX6 devices on VMware ESXi 8.0
Version: 1.0.10 (**Recommended**)
Filename: CP071677.compsig; CP071677.zip

Important Note!

ConnectX-6 VPI supports having one port as InfiniBand and the other port as Ethernet according to the following matrix of combinations.

Port #2 - InfiniBand				
Port #1 - Ethernet	HDR/HDR100	EDR	FDR	QDR
200GbE/50GbE	supported	not supported	not supported	supported
100GbE/25GbE	supported	not supported	not supported	supported
40GbE/10GbE	supported	not supported	not supported	supported

1GbE	supported	not supported	not supported	supported
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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

Prerequisites

Use iLO5 firmware version 2.30 or higher with ConnectX6 firmware version 20.32.1010. Thermal sensor reporting on the adapter will not be functional with older versions of iLO5 firmware.

Fixes

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

HPE Part Number	Device Name	PSID
P06154-B21	HPE InfiniBand HDR/Ethernet 200Gb 1-port QSFP56 PCIe3 x16 MCX653105A-HDAT Adapter	HPE0000000034
P06250-B21	HPE InfiniBand HDR100/Ethernet 100Gb 1-port QSFP56 PCIe3 x16 MCX653105A-ECAT Adapter	HPE0000000035
P06251-B21	HPE InfiniBand HDR100/Ethernet 100Gb 2-port QSFP56 PCIe3 x16 MCX653106A-ECAT Adapter	HPE0000000036

Online Firmware Upgrade Utility (ESXi 8.0) for Mellanox Open Ethernet cards

Version: 1.0.8 (**Recommended**)

Filename: CP072375.compsig; CP072375.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 14.32.1912.

No fixes are included in version 16.35.8008.

Enhancements

Firmware for the following devices has been updated to 14.32.1912:

- 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 16.35.8008:

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

New features and changes included in version 14.32.1912:

- 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.

New features and changes included in version 16.35.8008:

- 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.

Please also refer to the HPE advisory on Microsoft Windows UEFI CA 2023 certificate update: https://support.hpe.com/hpesc/public/docDisplay?docId=a00156355en_us&docLocale=en_US

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

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

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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.

Firmware Package - HPE Smart Array P408i-p, P408e-p, P408i-a, P408i-c, E208i-p, E208e-p, E208i-c, E208i-a, P204i-c, P416ie-m and P816i-a SR Gen10 and SR308i-o,SR308i-p Gen11 controllers
Version: 8.23 **(Recommended)**
Filename: HPE_SR_Gen10_8.23_A.fwpkg

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 8.23 for SR SAS/SATA controllers and firmware version 03.01.47.052 for SR tri-mode controllers, along with Windows 2022/2025 driver version 1016.38.0.1003, Linux driver version 2.1.40-020, and VMware ESXi driver
- 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>

Fixes

- o Fixed an issue where the system could lock up with controller lockup code 0x27006 during heavy I/O when a drive reported a predictive failure, by ensuring failure handling does not block critical system monitoring operations.
- o Fixed an issue where volume creation could fail when using mixed OPAL V1 and OPAL V2 self-encrypting drives (SEDs), ensuring consistent validation and successful configuration.
- o Fixed an issue that could cause reduced 4K random write performance in degraded RAID 60 configurations.
- o Fixed an issue where the system could crash when hot-adding drives to failed RAID 50/60 volumes, improving stability during recovery operations.
- o Fixed an issue where CBE remote encryption could remain enabled after being disabled in UEFI HII, ensuring settings are applied correctly.
- o Fixed an issue where the system could fail to boot during device discovery due to invalid device identification data, improving boot reliability.
- o Fixed an issue where encryption key mismatches could occur during master key updates, ensuring consistent and reliable encryption operations.
- o Fixed an issue where a drive could be incorrectly marked as failed during boot when a sanitize operation was in progress, preventing false drive failures.
- o Fixed an issue where secure erase operations using ATA passthrough could fail to start, ensuring successful execution of secure erase commands.
- o Fixed an issue where sanitize operations did not resume after a controller reboot, ensuring proper continuation of secure erase processes.
- o Added support to display drive depopulation and restoration status in UEFI HII, providing better visibility into ongoing drive operations.
- o Added support to display the remaining duration of array drive identification in UEFI HII, improving visibility into ongoing LED identification activity.

Adding the CA detail as below:

- o For E208e-p A new Microsoft Option ROM UEFI CA 2023 certificate has been added to replace the expired CA 2011 one. To prevent Secure Boot issues, please update BIOS and "Reset All Keys to Platform Defaults" following the instructions in Advisory: (Revision) Microsoft Windows - Information About Windows UEFI CA 2023 Certificate

CA: https://support.hpe.com/hpesc/public/docDisplay?docId=emr_na-a00157968en_us

Enhancements

- o Added HDD Power-On Hours reporting based on the PowerOnHours property in Drive Metrics, with periodic updates to improve drive usage visibility and indicate whether the attribute is supported by the drive.

Firmware Package - HPE MR216i-a Gen10 Plus Tri Mode Controller

Version: 52.38.3-6909 (**Recommended**)

Filename: HPE_MR216i-a_Gen10P_52.38.3-6909_A.fwpkg; HPE_MR216i-a_Gen10P_52.38.3-6909_A.json

Important Note!

- o This firmware version to be used on HPE MR216i-a Gen10 Plus Controller.
- o The minimum iLO versions required to support 52.36.3-6584 are iLO 7 1.20, iLO 6 1.74, and iLO 5 3.18.

Prerequisites

iLO5 version should be at least 2.98 is required for **chassis&Fabric support**.

Fixes

- o Fixed an issue where EncryptionKey and EncryptionKeyIdentifier values set through Redfish Storage.SetEncryptionKey could be stored incorrectly because BEJ string escape-sequence decoding was not supported.
- o Fixed an issue where ControllerPreviousError occurs during UBM10 firmware upgrade or downgrade and cause update failure.
- o Fixed an issue where Controller hits exception and resets when IOs with unaligned addresses are issued to NVME drives.
- o Fixed an issue where Firmware hits an exception while converting JBODs to unconfigure state.
- o Fixed an issue where Data Abort exception was observed during concurrent I/O operations, drive hot-plug and UBM firmware update.
- o Fixed an issue where controller may hang during power cycle test.
- o Fixed an issue where SED drive becomes foreign after reboot.
- o Fixed an issue where snapdump collection may cause crash with NVMe drives present.
- o Fixed an issue where volume creation could fail when third-party locked drives are present in the system.
- o Fixed an issue where SATA drives might not be discovered during hot-plug operations.
- o Fixed an issue where observed PL (Protocol Layer module) fault 0x4318 during the IPMI power-cycle test.
- o Fixed an issue where drive write cache status changes were not reflected in MRSA for drives in existing volumes.
- o Fixed an issue where server health shows critical for 10-15 seconds when drives connected behind controller are removed simultaneously.
- o Fixed an issue where the DriveMissingCleared event was not logged after replacing a drive in a degraded RAID volume.

Enhancements

- o Supported the Microsoft UEFI CA 2023 signing.
 - o Referred to a00156355en_us Advisory: [Microsoft Windows - Information About Windows UEFI CA 2023 Certificate](#)
- o DMTF PLDM Redfish Device Enablement enhancements
 - o Added support for Redfish Certificates (GET).
 - o Added support for Redfish Storage.SetControllerPassword.
 - o Added support for Redfish Drive Control (POST/PATCH).
 - POST #Drive.Reset
 - ForceOff, ForceOn, and PowerCycle operations are supported.
 - ResetType@Redfish.AllowableValues[] populates ForceOff, ForceOn Or Powercycle depending on the DFC's SES Array element Status DevOff bit.
 - The link to Action Drive.Reset is not made available until the ongoing Drive.Reset Action takes effect on the slot.
 - DriveRemoved event will be logged when ForceOff is triggered.
 - DriveInserted event will be logged when ForceOn is triggered.
 - DriveRemoved and DriveInserted event will be logged when PowerCycle is triggered.
 - PATCH Drive[StatusIndicator]
 - OK and Fail StatusIndicators are allowed.
- o StorageDevice Message Registry 1.5.0 has been adopted. Applicable Redfish Conditions (GET) and Redfish alerts have been updated for the following MessageKeys:
 - DrivePredictedMediaLifeLow: This MessageKey and Redfish alert is populated when the SSDPercentageUsed is 95% or above.
 - VolumeRebuilding: Whenever rebuild or copyback starts on the volume.
 - VolumeReconfiguring: Whenever transformation starts on the volume.
- o Aligned ResetToDefaults.ResetAll and NVRAM Clear to MR932
 - After performing ResetToDefaults.ResetAll operation, controller will be placed in fault state and will not respond to any Redfish request. Reboot is required to bring the controller back online.
- o Aligned VolumeOffline and VolumeOfflineCleared Redfish Event handling to MR932
 - FW logs Redfish VolumeOffline always against the Invalid target ID (0xFF) when foreign config is present.
 - VolumeOfflineCleared is sent when there is no foreign config.
 - After importing the volume, VolumeOfflineCleared alert is logged with the Invalid target ID.
- o Added support to download snapdump through iLO
 - o The feature is supported on iLO7 1.22 and later.
 - o The latest 2 snapdumps (including on-demand and auto) will be captured if needed.
 - o Storcli and MRSA shall be used to trigger on-demand snapdump.
- o Added support for mixing UBM10 and UBM11 backplanes in a Box.
- o Included the Serial Number in PCIe VPD Info.

Firmware Package - HPE MR216i-p Gen10 Plus Tri Mode Controller

Version: 52.38.3-6909 (**Recommended**)

Filename: HPE_MR216i-p_Gen10P_52.38.3-6909_A.fwpkg; HPE_MR216i-p_Gen10P_52.38.3-6909_A.json

Important Note!

- o This firmware version to be used on HPE MR216i-p Gen10 Plus Controller.
- o The minimum iLO versions required to support 52.36.3-6584 are iLO 7 1.20, iLO 6 1.74, and iLO 5 3.18.

Prerequisites

iLO5 version should be at least 2.98 is required for **chassis&Fabric support**.

Fixes

- o Fixed an issue where EncryptionKey and EncryptionKeyIdentifier values set through Redfish Storage.SetEncryptionKey could be stored incorrectly because BEJ string escape-sequence decoding was not supported
- o Fixed an issue where ControllerPreviousError occurs during UBM10 firmware upgrade or downgrade and cause update failure
- o Fixed an issue where Controller hits exception and resets when IOs with unaligned addresses are issued to NVMe drives
- o Fixed an issue where Firmware hits an exception while converting JBODs to unconfigure state
- o Fixed an issue where Data Abort exception was observed during concurrent I/O operations, drive hot-plug and UBM firmware update
- o Fixed an issue where controller may hang during power cycle test
- o Fixed an issue where SED drive becomes foreign after reboot
- o Fixed an issue where snapdump collection may cause crash with NVMe drives present
- o Fixed an issue where volume credation could fail when third-party locked drives are present in the system
- o Fixed an issue where SATA drives might not be discovered during hot-plug operations
- o Fixed an issue where observed PL (Protocol Layer module) fault 0x4318 during the IPMI power-cycle test
- o Fixed an issue where drive write cache status changes were not reflected in MRSA for drives in existing volumes
- o Fixed an issue where server health shows critical for 10-15 seconds when drives connected behind controller are removed simultaneously
- o Fixed an issue where the DriveMissingCleared event was not logged after replacing a drive in a degraded RAID volume

Enhancements

- o Supported the Microsoft UEFI CA 2023 signing.
 - Referred to a00156355en_us Advisory: [Microsoft Windows - Information About Windows UEFI CA 2023 Certificate](#)
- o DMTF PLDM Redfish Device Enablement enhancements
 - Added support for Redfish Certificates (GET).
 - Added support for Redfish Storage.SetControllerPassword.
 - Added support for Redfish Drive Control (POST/PATCH).
 - POST #Drive.Reset
 - ForceOff, ForceOn, and PowerCycle operations are supported.
 - ResetType@Redfish.AllowableValues[] populates ForceOff, ForceOn Or Powercycle depending on the DFC's SES Array element Status DevOff bit.
 - The link to Action Drive.Reset is not made available until the ongoing Drive.Reset Action takes effect on the slot.
 - DriveRemoved event will be logged when ForceOff is triggered.
 - DriveInserted event will be logged when ForceOn is triggered.
 - DriveRemoved and DriveInserted event will be logged when PowerCycle is triggered.
 - PATCH Drive[StatusIndicator]
 - OK and Fail StatusIndicators are allowed.
 - StorageDevice Message Registry 1.5.0 has been adopted. Applicable Redfish Conditions (GET) and Redfish alerts have been updated for the following MessageKeys:
 - DrivePredictedMediaLifeLow: This MessageKey and Redfish alert is populated when the SSDPercentageUsed is 95% or above.
 - VolumeRebuilding: Whenever rebuild or copyback starts on the volume.
 - VolumeReconfiguring: Whenever transformation starts on the volume.
 - Aligned ResetToDefaults.ResetAll and NVRAM Clear to MR932
 - After performing ResetToDefaults.ResetAll operation, controller will be placed in fault state and will not respond to any Redfish request. Reboot is required to bring the controller back online.
 - Aligned VolumeOffline and VolumeOfflineCleared Redfish Event handling to MR932
 - FW logs Redfish VolumeOffline always against the Invalid target ID (0xFF) when foreign config is present.
 - VolumeOfflineCleared is sent when there is no foreign config.
 - After importing the volume, VolumeOfflineCleared alert is logged with the Invalid target ID.
- o Added support to download snapdump through iLO
 - The feature is supported on iLO7 1.22 and later.
 - The latest 2 snapdumps (including on-demand and auto) will be captured if needed.
 - Storcli and MRSA shall be used to trigger on-demand snapdump.
- o Added support for mixing UBM10 and UBM11 backplanes in a Box.
- o Included the Serial Number in PCIe VPD Info.

Firmware Package - HPE MR416i-a Gen10 Plus Tri Mode Controller

Version: 52.38.3-6909 **(Recommended)**

Filename: HPE_MR416i-a_Gen10P_52.38.3-6909_A.fwpkg; HPE_MR416i-a_Gen10P_52.38.3-6909_A.json

Important Note!

- o This firmware version to be used on HPE MR416i-a Gen10 Plus Controller.
- o The minimum iLO versions required to support 52.36.3-6584 are iLO 7 1.20, iLO 6 1.74, and iLO 5 3.18.

Prerequisites

iLO5 version should be at least 2.98 is required for **chassis&Fabric support**.

Fixes

- o Fixed an issue where EncryptionKey and EncryptionKeyIdentifier values set through Redfish Storage.SetEncryptionKey could be stored incorrectly because BEJ string escape-sequence decoding was not supported
- o Fixed an issue where ControllerPreviousError occurs during UBM10 firmware upgrade or downgrade and cause update failure
- o Fixed an issue where Controller hits exception and resets when IOs with unaligned addresses are issued to NVMe drives
- o Fixed an issue where Firmware hits an exception while converting JBODs to unconfigure state
- o Fixed an issue where Data Abort exception was observed during concurrent I/O operations, drive hot-plug and UBM firmware update
- o Fixed an issue where controller may hang during power cycle test
- o Fixed an issue where SED drive becomes foreign after reboot
- o Fixed an issue where snapdump collection may cause crash with NVMe drives present
- o Fixed an issue where volume credation could fail when third-party locked drives are present in the system
- o Fixed an issue where SATA drives might not be discovered during hot-plug operations
- o Fixed an issue where observed PL (Protocol Layer module) fault 0x4318 during the IPMI power-cycle test
- o Fixed an issue where drive write cache status changes were not reflected in MRSA for drives in existing volumes
- o Fixed an issue where server health shows critical for 10-15 seconds when drives connected behind controller are removed simultaneously

- o Fixed an issue where the DriveMissingCleared event was not logged after replacing a drive in a degraded RAID volume

Enhancements

- o Supported the Microsoft UEFI CA 2023 signing.
 - Referred to a00156355en_us Advisory: [Microsoft Windows - Information About Windows UEFI CA 2023 Certificate](#)
- o DMTF PLDM Redfish Device Enablement enhancements
 - Added support for Redfish Certificates (GET).
 - Added support for Redfish Storage.SetControllerPassword.
 - Added support for Redfish Drive Control (POST/PATCH).
 - POST #Drive.Reset
 - ForceOff, ForceOn, and PowerCycle operations are supported.
 - ResetType@Redfish.AllowableValues[] populates ForceOff, ForceOn Or Powercycle depending on the DFC's SES Array element Status DevOff bit.
 - The link to Action Drive.Reset is not made available until the ongoing Drive.Reset Action takes effect on the slot.
 - DriveRemoved event will be logged when ForceOff is triggered.
 - DriveInserted event will be logged when ForceOn is triggered.
 - DriveRemoved and DriveInserted event will be logged when PowerCycle is triggered.
 - PATCH Drive[StatusIndicator]
 - OK and Fail StatusIndicators are allowed.
 - StorageDevice Message Registry 1.5.0 has been adopted. Applicable Redfish Conditions (GET) and Redfish alerts have been updated for the following MessageKeys:
 - DrivePredictedMediaLifeLow: This MessageKey and Redfish alert is populated when the SSDPercentageUsed is 95% or above.
 - VolumeRebuilding: Whenever rebuild or copyback starts on the volume.
 - VolumeReconfiguring: Whenever transformation starts on the volume.
 - Aligned ResetToDefaults.ResetAll and NVRAM Clear to MR932
 - After performing ResetToDefaults.ResetAll operation, controller will be placed in fault state and will not respond to any Redfish request. Reboot is required to bring the controller back online.
 - Aligned VolumeOffline and VolumeOfflineCleared Redfish Event handling to MR932
 - FW logs Redfish VolumeOffline always against the Invalid target ID (0xFF) when foreign config is present.
 - VolumeOfflineCleared is sent when there is no foreign config.
 - After importing the volume, VolumeOfflineCleared alert is logged with the Invalid target ID.
- o Added support to download snapdump through iLO
 - The feature is supported on iLO7 1.22 and later.
 - The latest 2 snapdumps (including on-demand and auto) will be captured if needed.
 - Storcli and MRSA shall be used to trigger on-demand snapdump.
- o Added support for mixing UBM10 and UBM11 backplanes in a Box.
- o Included the Serial Number in PCIe VPD Info.

Firmware Package - HPE MR416i-p Gen10 Plus Tri Mode Controller

Version: 52.38.3-6909 (**Recommended**)

Filename: HPE_MR416i-p_Gen10P_52.38.3-6909_A.fwpkg; HPE_MR416i-p_Gen10P_52.38.3-6909_A.json

Important Note!

- o This firmware version to be used on HPE MR416i-p Gen10 Plus Controller.
- o The minimum iLO versions required to support 52.36.3-6584 are iLO 7 1.20, iLO 6 1.74, and iLO 5 3.18.

Prerequisites

iLO5 version should be at least 2.98 is required for **chassis&Fabric support**.

Fixes

- o Fixed an issue where EncryptionKey and EncryptionKeyIdentifier values set through Redfish Storage.SetEncryptionKey could be stored incorrectly because BEJ string escape-sequence decoding was not supported
- o Fixed an issue where ControllerPreviousError occurs during UBM10 firmware upgrade or downgrade and cause update failure
- o Fixed an issue where Controller hits exception and resets when IOs with unaligned addresses are issued to NVMe drives
- o Fixed an issue where Firmware hits an exception while converting JBODs to unconfigure state
- o Fixed an issue where Data Abort exception was observed during concurrent I/O operations, drive hot-plug and UBM firmware update
- o Fixed an issue where controller may hang during power cycle test
- o Fixed an issue where SED drive becomes foreign after reboot
- o Fixed an issue where snapdump collection may cause crash with NVMe drives present
- o Fixed an issue where volume credation could fail when third-party locked drives are present in the system
- o Fixed an issue where SATA drives might not be discovered during hot-plug operations
- o Fixed an issue where observed PL (Protocol Layer module) fault 0x4318 during the IPMI power-cycle test
- o Fixed an issue where drive write cache status changes were not reflected in MRSA for drives in existing volumes
- o Fixed an issue where server health shows critical for 10-15 seconds when drives connected behind controller are removed simultaneously
- o Fixed an issue where the DriveMissingCleared event was not logged after replacing a drive in a degraded RAID volume

Enhancements

- o Supported the Microsoft UEFI CA 2023 signing.
 - Referred to a00156355en_us Advisory: [Microsoft Windows - Information About Windows UEFI CA 2023 Certificate](#)
- o DMTF PLDM Redfish Device Enablement enhancements
 - Added support for Redfish Certificates (GET).
 - Added support for Redfish Storage.SetControllerPassword.
 - Added support for Redfish Drive Control (POST/PATCH).
 - POST #Drive.Reset
 - ForceOff, ForceOn, and PowerCycle operations are supported.
 - ResetType@Redfish.AllowableValues[] populates ForceOff, ForceOn Or Powercycle depending on the DFC's SES Array element Status DevOff bit.
 - The link to Action Drive.Reset is not made available until the ongoing Drive.Reset Action takes effect on the slot.
 - DriveRemoved event will be logged when ForceOff is triggered.
 - DriveInserted event will be logged when ForceOn is triggered.
 - DriveRemoved and DriveInserted event will be logged when PowerCycle is triggered.
 - PATCH Drive[StatusIndicator]
 - OK and Fail StatusIndicators are allowed.
 - StorageDevice Message Registry 1.5.0 has been adopted. Applicable Redfish Conditions (GET) and Redfish alerts have been updated for the following MessageKeys:

- DrivePredictedMediaLifeLow: This MessageKey and Redfish alert is populated when the SSDPercentageUsed is 95% or above.
 - VolumeRebuilding: Whenever rebuild or copyback starts on the volume.
 - VolumeReconfiguring: Whenever transformation starts on the volume.
- Aligned ResetToDefaults.ResetAll and NVRAM Clear to MR932
 - After performing ResetToDefaults.ResetAll operation, controller will be placed in fault state and will not respond to any Redfish request. Reboot is required to bring the controller back online.
- Aligned VolumeOffline and VolumeOfflineCleared Redfish Event handling to MR932
 - FW logs Redfish VolumeOffline always against the Invalid target ID (0xFF) when foreign config is present.
 - VolumeOfflineCleared is sent when there is no foreign config.
 - After importing the volume, VolumeOfflineCleared alert is logged with the Invalid target ID.
- Added support to download snapdump through iLO
 - The feature is supported on iLO7 1.22 and later.
 - The latest 2 snapdumps (including on-demand and auto) will be captured if needed.
 - Storcli and MRSA shall be used to trigger on-demand snapdump.
- Added support for mixing UBM10 and UBM11 backplanes in a Box.
- Included the Serial Number in PCIe VPD Info.

Firmware Package - HPE NS204mff Boot Controller, HPE Gen12 Boot Controller NS204i-u, HPE Gen11 Boot Controller NS204i-u, NS204i-d and HPE Gen10 Plus Boot Controller NS204i-p, NS204i-d, NS204i-t, NS204i-r
 Version: 1.2.14.1034 (**Recommended**)
 Filename: HPE_NS204i_1.2.14.1034_A.fwpkg; HPE_NS204i_1.2.14.1034_A.json

Important Note!

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

- <https://www.hpe.com/global/swpublishing/MTX-c75706b8a59d4d8aabc4e4cc30>

For Gen10 plus server users, the NS204i firmware has to be 1.2.14.1018 or later in order to enable PLDM firmware update functionality for the controller. Please find the smart component versions of 1.2.14.1018 in below link:

- Windows: <https://www.hpe.com/global/swpublishing/MTX-84a4e0bb354f48ead65cf9451>
- Linux: <https://www.hpe.com/global/swpublishing/MTX-b6448d485ca64fd7a5d0d5f75e>
- VMware: <https://www.hpe.com/global/swpublishing/MTX-ad49b1acb0d4455c86460c727a>

Prerequisites

- iLO 6 version 1.10 or later is required for Gen11 and Gen12 servers.
- iLO 5 version 2.81 or later is required for Gen10/Gen10 Plus servers

Fixes

Fixed LED presentation for drive failure

1. Fixed LED presentation for drive removal
2. Correct improper IML events under certain conditions.
3. Fixed an issue that drives might be incorrectly reported as failure intermittently.
4. Fixed incorrect volume capacity shown in the iLO storage page.
5. Correct the boot option name to avoid the change in boot ordering.

Enhancements

Improved the compatibility to some SSD models.

Firmware Package - HPE SR932i-p Gen10 Plus /SR416i-a Gen10 Plus/SR932i-p Gen11/SR416ie-m Gen11 Controllers
 Version: 03.01.47.052 (**Recommended**)
 Filename: HPE_SR416_SR932_Gen10P_Gen11_03.01.47.052_A.fwpkg

Important Note!

- 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.
- It is strongly recommended to use controller firmware version 8.23 for SR SAS/SATA controllers and firmware version 03.01.47.052 for SR tri-mode controllers, along with Windows 2022/2025 driver version 1016.38.0.1003, Linux driver version 2.1.40-020, and VMware ESXi driver version 80.4902.0.103/90.4902.0.103, as this combination has been fully qualified.
- **For Windows 2016 driver, please use 1010.84.0.1012 in below link:**
<https://www.hpe.com/global/swpublishing/MTX-c523e081ab344bc4b4bc9d5686>
- **For Windows 2019 driver, please use 1016.10.0.1004 in below link:**
<https://www.hpe.com/global/swpublishing/MTX-29e86213c3ab4e94b0b54906f7>

Fixes

- Fixed an issue where logical drives could become stuck in a queued state after deleting an in-progress RPI operation, ensuring pending operations resume correctly.
- Fixed an issue to improve RAID 6 migration reliability, ensuring volumes remain operational even if two drives are removed during migration.
- Fixed an issue where the system could lock up with controller lockup code 0x27006 during heavy I/O when a drive reported a predictive failure, by ensuring failure handling does not block critical system monitoring operations.
- Fixed an issue where volume creation could fail when using mixed OPAL V1 and OPAL V2 self-encrypting drives (SEDs), ensuring consistent validation and successful configuration.
- Fixed an issue that could cause reduced 4K random write performance in degraded RAID 60 configurations.

- o Fixed an issue where a drive could be incorrectly marked as failed during boot while a sanitize operation was in progress, preventing unintended drive failures during initialization.
- o Fixed an issue where the system could crash when hot-adding drives to failed RAID 50/60 volumes, improving stability during recovery operations.
- o Fixed an issue where CBE remote encryption could remain enabled after being disabled in UEFI HII, ensuring settings are applied correctly.
- o Fixed an issue where the system could fail to boot during device discovery due to invalid device identification data, improving boot reliability.
- o Fixed an issue where encryption key mismatches could occur during master key updates, ensuring consistent and reliable encryption operations.
- o Fixed an issue where repeated LUN reset requests to NVMe drives could cause a controller lockup with code 0x1ABD, ensuring stable handling of reset operations.
- o Fixed an issue where RPI operations could take longer than expected on certain HPE drives, improving performance consistency.

Adding the CA notes as below:

- o A new Microsoft Option ROM UEFI CA 2023 certificate has been added to replace the expired CA 2011 one. To prevent Secure Boot issues, please update BIOS and "Reset All Keys to Platform Defaults" following the instructions in Advisory: (Revision) Microsoft Windows - Information About Windows UEFI CA 2023 Certificate.

https://support.hpe.com/hpsc/public/docDisplay?docId=a00156355en_us

Enhancements

- o Added HDD Power-On Hours reporting based on the PowerOnHours property in Drive Metrics, with periodic updates to improve drive usage visibility and indicate whether the attribute is supported by the drive.
- o Added support to display drive depopulation and restoration status in UEFI HII, providing better visibility into ongoing drive operations.
- o Added support to display the remaining duration of array drive identification in UEFI HII, improving visibility into ongoing LED identification activity.
- o Enhanced management of drives undergoing depopulation or restoration operations:
 - o Drives are reported as StandbyOffline during these operations
 - o System generates Redfish alerts when operations start (DriveOffline) and complete (DriveOfflineCleared)
 - o Certain operations (e.g., firmware update, secure erase, configuration changes) are temporarily blocked
 - o Management interfaces (Redfish/PLDM) provide consistent status and controlled responses

HPE D3600/D3700/D3610/D3710 12Gb SAS Disk Enclosure ROM Flash Component for VMware (ESXi)

Version: 5.04 (P) **(Recommended)**

Filename: CP072199.compsig; CP072199.md5; CP072199.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

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

Version: 6.00 (J) **(Recommended)**

Filename: CP072200.compsig; CP072200.md5; CP072200.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:

- Code optimization to save memory repo.
- TLB exception seen while doing esp reset when expander reset was in progress.
- Added the psoc 8.93 binary in peripheral images, updated the reveille version numbers.
- 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 :

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

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

Version: 2.74 (W) **(Recommended)**

Filename: CP072201.compsig; CP072201.md5; CP072201.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:

- Temperature sensors logic inside gSEP model and SES database
- 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 :

- Smart Array P408e-p Controller

- Smart Array E208e-p Controller

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

Version: 0130 (K) **(Recommended)**

Filename: CP072202.compsig; CP072202.md5; CP072202.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:

- Smart Array reporting "Storage Enclosure FW upgrade Problem Detected".
- PSU version is showing as "No Ver" after inserted the New bel power PSU.
- 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 :

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

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

- ESXi9.1 support.

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!

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

Enhancements

- 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

- 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

- 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: 8.23 (**Recommended**)
Filename: CP071763.compsig; CP071763.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 8.23 for SR SAS/SATA controllers and firmware version 03.01.47.052 for SR tri-mode controllers, along with Windows 2022/2025 driver version 1016.38.0.1003, Linux driver version 2.1.40-020, and VMware ESXi driver version 80.4902.0.103/90.4902.0.103, 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.

Fixes

- o Fixed an issue where the system could lock up with controller lockup code 0x27006 during heavy I/O when a drive reported a predictive failure, by ensuring failure handling does not block critical system monitoring operations.
- o Fixed an issue where volume creation could fail when using mixed OPAL V1 and OPAL V2 self-encrypting drives (SEDs), ensuring consistent validation and successful configuration.
- o Fixed an issue that could cause reduced 4K random write performance in degraded RAID 60 configurations.
- o Fixed an issue where the system could crash when hot-adding drives to failed RAID 50/60 volumes, improving stability during recovery operations.
- o Fixed an issue where CBE remote encryption could remain enabled after being disabled in UEFI HII, ensuring settings are applied correctly.
- o Fixed an issue where the system could fail to boot during device discovery due to invalid device identification data, improving boot reliability.
- o Fixed an issue where encryption key mismatches could occur during master key updates, ensuring consistent and reliable encryption operations.
- o Fixed an issue where a drive could be incorrectly marked as failed during boot when a sanitize operation was in progress, preventing false drive failures.
- o Fixed an issue where secure erase operations using ATA passthrough could fail to start, ensuring successful execution of secure erase commands.
- o Fixed an issue where sanitize operations did not resume after a controller reboot, ensuring proper continuation of secure erase processes.
- o Added support to display drive depopulation and restoration status in UEFI HII, providing better visibility into ongoing drive operations.
- o Added support to display the remaining duration of array drive identification in UEFI HII, improving visibility into ongoing LED identification activity.

Adding the CA detail as below:

- o For E208e-p A new Microsoft Option ROM UEFI CA 2023 certificate has been added to replace the expired CA 2011 one. To prevent Secure Boot issues, please update BIOS and "Reset All Keys to Platform Defaults" following the instructions in Advisory: (Revision) Microsoft Windows - Information About Windows UEFI CA 2023 Certificate

CA: https://support.hpe.com/hpesc/public/docDisplay?docId=emr_na-a00157968en_us

Enhancements

- o Added HDD Power-On Hours reporting based on the PowerOnHours property in Drive Metrics, with periodic updates to improve drive usage visibility and indicate whether the attribute is supported by the drive.

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 8.0
Version: 2026.06.01 (**Recommended**)
Filename: CP071317.compsig; CP071317.zip

Important Note!

Release notes:

[Broadcom Release notes](#)

This Firmware package contains following firmware versions:

[Top](#)

Adapter	Speed	Universal Boot Image	Firmware	UEFI	Boot Bios
HPE SN1200E 16Gb Dual Port Fibre Channel Host Bus Adapter	16Gb	14.4.731.21	14.4.731.21	14.4.731.20	14.4.718.0
HPE SN1200E 16Gb Single Port Fibre Channel Host Bus Adapter	16Gb	14.4.731.21	14.4.731.21	14.4.731.20	14.4.718.0
HPE SN1600E 32Gb Dual Port Fibre Channel Host Bus Adapter	32Gb	14.4.731.21	14.4.731.21	14.4.731.20	14.4.718.0
HPE SN1600E 32Gb Single Port Fibre Channel Host Bus Adapter	32Gb	14.4.731.21	14.4.731.21	14.4.731.20	14.4.718.0
HPE SN1610E 32Gb Single Port Fibre Channel Host Bus Adapter	32Gb	14.4.731.21	14.4.731.21	14.4.731.20	14.4.718.0
HPE SN1610E 32Gb Dual Port Fibre Channel Host Bus Adapter	32Gb	14.4.731.21	14.4.731.21	14.4.731.20	14.4.718.0
HPE SN1700E 64Gb Single Port Fibre Channel Host Bus Adapter	64Gb	14.4.731.21	14.4.731.21	14.4.731.20	14.4.718.0
HPE SN1700E 64Gb Dual Port Fibre Channel Host Bus Adapter	64Gb	14.4.731.21	14.4.731.21	14.4.731.20	14.4.718.0

Fixed the following:

Garbled characters are observed in the System Utilities(F9) configuration screens with Japanese Environment when HPE Emulex Fibre Channel Host Bus Adapter is installed on ProLiant Gen11 and ProLiant Gen12 servers

Added Following Enhancements:

Add logic to detect Small Form-Factor Pluggable (SFP) is non-responsive

Return a new state in Acquisition and Control Query Executive (ACQE) to indicate Small Form-Factor Pluggable(SFP) is non-responsive

These are applicable for :

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

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:

Garbled characters are observed in the System Utilities(F9) configuration screens with Japanese Environment when HPE Emulex Fibre Channel Host Bus Adapter is installed on ProLiant Gen11 and ProLiant Gen12 servers, applicable for:

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

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	14.4.731.21	14.4.731.21	14.4.731.20	14.4.718.0
HPE SN1200E 16Gb Single Port Fibre Channel Host Bus Adapter	16Gb	14.4.731.21	14.4.731.21	14.4.731.20	14.4.718.0
HPE SN1600E 32Gb Dual Port Fibre Channel Host Bus Adapter	32Gb	14.4.731.21	14.4.731.21	14.4.731.20	14.4.718.0
HPE SN1600E 32Gb Single Port Fibre Channel Host Bus Adapter	32Gb	14.4.731.21	14.4.731.21	14.4.731.20	14.4.718.0
HPE SN1610E 32Gb Single Port Fibre Channel Host Bus Adapter	32Gb	14.4.731.21	14.4.731.21	14.4.731.20	14.4.718.0
HPE SN1610E 32Gb Dual Port Fibre Channel Host Bus Adapter	32Gb	14.4.731.21	14.4.731.21	14.4.731.20	14.4.718.0
HPE SN1700E 64Gb Single Port Fibre Channel Host Bus Adapter	64Gb	14.4.731.21	14.4.731.21	14.4.731.20	14.4.718.0
HPE SN1700E 64Gb Dual Port Fibre Channel Host Bus Adapter	64Gb	14.4.731.21	14.4.731.21	14.4.731.20	14.4.718.0

Added Following Enhancements:

- o Add logic to detect Small Form-Factor Pluggable (SFP) is non-responsive
- o Return a new state in Acquisition and Control Query Executive (ACQE) to indicate Small Form-Factor Pluggable(SFP) is non-responsive

These are applicable for :

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

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 8.0
Version: 2026.06.02 **(Recommended)**
Filename: CP072107.compsig; CP072107.zip

Important Note!

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

This Firmware package contains following firmware versions:

Adapter	Speed	MBI	Firmware	UEFI	BIOS	MPI FW	PEP FW	PEP SoftROM	PEP Brd Cfg 2P	PEP Brd Cfg 1P	FC Brd Cfg 2P	FC Brd Cfg 1P	PCIe Serdes	Preload FWA 2P	Preload FWA 1P
HPE SN1100Q 16GB Dual Port PCIe Fibre Channel Host Bus Adapter	16Gb	02.05.02	9.15.05	7.28	3.68	3.03.16	2.01.33	2.00.11	2.00.1	NA	2.02.7	NA	NA	2.1.9	NA
HPE SN1100Q 16GB Single Port PCIe Fibre Channel Host Bus Adapter	16Gb	02.05.02	9.15.05	7.28	3.68	3.03.16	2.01.33	2.00.11	NA	2.01.1	NA	2.02.7	NA	NA	2.1.9
HPE SN1600Q 32Gb Single Port Fibre Channel Host Bus Adapter	32Gb	02.05.02	9.15.05	7.28	3.68	3.03.16	2.01.33	2.00.11	NA	2.01.1	NA	2.02.7	NA	NA	2.1.9
HPE SN1600Q 32Gb Dual Port Fibre Channel Host Bus Adapter	32Gb	02.05.02	9.15.05	7.28	3.68	3.03.16	2.01.33	2.00.11	2.00.1	NA	2.02.7	Na	NA	2.1.9	NA
HPE SN1610Q 32Gb Dual Port Fibre Channel Host Bus Adapter	32Gb	02.11.14	09.15.19	7.39	NA	3.04.21	3.01.41	3.00.13	3.01.00	NA	3.07.02	NA	3.00.07	4.01.16	NA
HPE SN1610Q 32Gb Single Port Fibre Channel Host Bus Adapter	32Gb	02.11.14	09.15.19	7.39	NA	3.04.21	3.01.41	3.00.13	NA	3.02.00	NA	3.07.02	3.00.07	NA	4.05.07
HPE SN1700Q 64Gb Dual Port Fibre Channel Host Bus Adapter	64Gb	02.11.14	09.15.19	7.39	NA	3.04.21	3.01.41	3.00.13	3.01.00	NA	3.07.02	NA	3.00.07	4.01.16	NA
HPE SN1700Q 64Gb Single Port Fibre Channel Host Bus Adapter	64Gb	02.11.14	09.15.19	7.39	NA	3.04.21	3.01.41	3.00.13	NA	3.02.00	NA	3.07.02	3.00.07	NA	4.05.07

Updated UEFI signature validity

Prerequisites

Please consult SPOCK for a list of supported configurations available at the following link:
<http://www.hpe.com/storage/spock/>

Fixes

Updated UEFI signature Validity

Enhancements

This Firmware package contains following firmware versions:

Adapter	Speed	MBI	Firmware	UEFI	BIOS	MPI FW	PEP FW	PEP SoftROM	PEP Brd Cfg 2P	PEP Brd Cfg 1P	FC Brd Cfg 2P	FC Brd Cfg 1P	PCIe Serdes	Preload FWA 2P	Preload FWA 1P
HPE SN1100Q 16GB Dual Port PCIe Fibre Channel Host Bus Adapter	16Gb	02.05.02	9.15.05	7.28	3.68	3.03.16	2.01.33	2.00.11	2.00.1	NA	2.02.7	NA	NA	2.1.9	NA
HPE SN1100Q 16GB Single Port PCIe Fibre	16Gb	02.05.02	9.15.05	7.28	3.68	3.03.16	2.01.33	2.00.11	NA	2.01.1	NA	2.02.7	NA	NA	2.1.9

Channel Host Bus Adapter															
HPE SN1600Q 32Gb Single Port Fibre Channel Host Bus Adapter	32Gb	02.05.02	9.15.05	7.28	3.68	3.03.16	2.01.33	2.00.11	NA	2.01.1	NA	2.02.7	NA	NA	2.1.9
HPE SN1600Q 32Gb Dual Port Fibre Channel Host Bus Adapter	32Gb	02.05.02	9.15.05	7.28	3.68	3.03.16	2.01.33	2.00.11	2.00.1	NA	2.02.7	Na	NA	2.1.9	NA
HPE SN1610Q 32Gb Dual Port Fibre Channel Host Bus Adapter	32Gb	02.11.14	09.15.19	7.39	NA	3.04.21	3.01.41	3.00.13	3.01.00	NA	3.07.02	NA	3.00.07	4.01.16	NA
HPE SN1610Q 32Gb Single Port Fibre Channel Host Bus Adapter	32Gb	02.11.14	09.15.19	7.39	NA	3.04.21	3.01.41	3.00.13	NA	3.02.00	NA	3.07.02	3.00.07	NA	4.05.07
HPE SN1700Q 64Gb Dual Port Fibre Channel Host Bus Adapter	64Gb	02.11.14	09.15.19	7.39	NA	3.04.21	3.01.41	3.00.13	3.01.00	NA	3.07.02	NA	3.00.07	4.01.16	NA
HPE SN1700Q 64Gb Single Port Fibre Channel Host Bus Adapter	64Gb	02.11.14	09.15.19	7.39	NA	3.04.21	3.01.41	3.00.13	NA	3.02.00	NA	3.07.02	3.00.07	NA	4.05.07

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 [Top](#)

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

- o Added support for vSphere 9.1 OS

Smart Storage Administrator (SSA) CLI Smart Component for ESXi 8.0 for Gen10/Gen10 Plus/Gen11 Controllers
Version: 2026.07.01 **(Recommended)**
Filename: cp072100.compsig; cp072100.zip

Important Note!

- o [Actual ESXi8.0 ssaccli version is 6.65.9.0](#)
- o [Actual ESXi9.0 ssaccli version is 6.65.11.0](#)
- o To support upgrades from ESXi 8.0 to ESXi 9.0, VMware requires the SSA CLI package version for ESXi 9.0 to be higher than the package version installed on ESXi 8.0. Therefore, the ESXi 9.0 package version is 6.65.11, while the internal SSA CLI version remains 6.65.9. This is expected behavior.

Enhancements

- o Added a new reboot reason indicator when a debug token is invalidated

Software - Storage Controller [Top](#)

HPE MegaRAID Storage Administrator StorCLI for VMware8.0 (For Gen10P and Gen11 Controllers)
Version: 2026.09.01 **(Recommended)**
Filename: cp071622.compsig; cp071622.zip

Important Note!

- o Actual ESXi Version is 007.3811.0300

Fixes

- Fixed security key configuration via file not accepting spaces or special characters in storcli.

Enhancements

- Added the drive power state support.
 - storcli /cx/ex show all
 - storcli /cx set drivepowerstate=on|off|reset drives= <e:s|e:s-x|e:s-x,y>
- Added AutoConfig setting display to the storcli show all output.

Software - Storage Fibre Channel

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HPE QLogic Fibre Channel driver component for VMware vSphere 8.0

Version: 2026.04.01 **(Recommended)**

Filename: cp070510.compsig; cp070510.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 vib depot.hpe.com webpages, plus an HPE specific CPXXXX.xml file.
This driver is only supported on VMware ESXi 8.0u3

Prerequisites

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

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

Enhancements

Driver version 5.4.86.0-1

This driver is only supported on VMware ESXi 8.0u3

Supported Devices and Features

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

16Gb Fibre Channel Host Bus Adapter:

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

32Gb Fibre Channel Host Bus Adapter:

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

64Gb Fibre Channel Host Bus Adapter:

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

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.

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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