



Release Notes

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The release note pages provide information for NVIDIA® BlueField® family software such as changes and new features, supported platforms, and reports on software known issues as well as bug fixes.

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Changes and New Features

Info

For an archive of changes and features from previous releases, refer to [Release Notes Change Log History](#).

Info

NVIDIA® BlueField® DPUs support configuring network ports as either Ethernet only or InfiniBand only .

BlueField Platform Changes and New Features in 4.14.0

- Expanded DPU scalability to support multiple switch ports and up to 32 PFs
- Aligned BlueField attestation capabilities with the NVIDIA RIM Service, enabling automated access to CoRIM files to support zero-trust measurement and validation processes
- Replaced MLNX_DPDK with official upstream DPDK (v25.11+) across the BlueField ecosystem, updating OVS and DOCA components to support standard upstream APIs
- Added support for software-defined vBLK emulation, utilizing the DOCA TLP SDK to offload storage data paths while retaining flexibility for custom control plane implementations

Customer Affecting Changes

Contents:

Changes in This Release

This section provides a list of changes that took place in the current version and break compatibility/interface or discontinue support for features or OS versions, etc.

Introduced in Version	Description	Customer Impact and Recommendation
N/A	N/A	N/A

Changes Planned for Future Releases

This section provides a list of changes that will take place in a future version of the product and will break compatibility/interface or discontinue support for features or OS versions, etc.

Planned for Version	Description
BSP 4.20 (July/2025)	<ul style="list-style-type: none">NVIDIA® System Management (NSM) will be enabled by default on BlueField and ConnectX starting from July release (currently disabled). NSM is a protocol designed for telemetry and management interfaces, specifically introduced with NVIDIA Blackwell products.This proprietary protocol is constructed on the Management Component Transport Protocol (MCTP) and can enhance industry-standard protocols (e.g., PLDM) or operate as an independent management interface.

Changes in Earlier Releases

The following is a list of changes that took place throughout the past two major releases that broke compatibility/interface or discontinued support for features or OS versions:

Introduced in Version	Description	Customer Impact and Recommendation
N/A	N/A	N/A

Discontinued Features

List of features which are supported in previous generations of hardware devices:

- N/A for this release

Supported Devices and Interoperability

Supported NVIDIA BlueField Platforms

For a complete list of supported devices, refer to their respective [hardware user manuals](#).

Embedded Software

The BlueField installation DOCA local repo package for this release is `bf-bundle-3.3.0-147_25.01_ubuntu-24.04_prod.bfb`.

The following software components are embedded in it:

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Info

For more information about embedded software components and drivers, refer to the [DOCA Release Notes](#).

Supported DPU Linux Distributions (aarch64)

- Ubuntu 22.04

Supported Host OS per DOCA-Host Installation Profile

The included page could not be found.

Supported Open vSwitch

- 2.15.1

Bug Fixes In This Version

Info

For an archive of bug fixes from previous releases, please see "[Bug Fixes History](#)".

Ref #	Details
4845039	Description: MPI-dependent DOCA applications failed to compile on OpenEuler due to missing development tools.
	Keywords: OpenEuler; OpenMPI; compilation
	Detected in version: 4.13.0
4845039	Description: A kernel call trace could occur during BFB updates if the host-side ConnectX has a pending firmware upgrade.
	Keywords: Kernel
	Detected in version: 4.13.0
4829571	Description: The DELETE key does not remove characters following the cursor in both UEFI Shell and GRUB environments.
	Keywords: UEFI Shell; GRUB
	Detected in version: 4.13.0
4764682	Description: <code>mlx-sf</code> fails to apply <code>-r</code> parameter (disable RoCE for SF) as it was removed from <code>mlxdevm</code> .
	Keywords: <code>mlx-sf</code> ; RoCE
	Detected in version: 4.13.0

Ref #	Details
4824650	Description: BFB installer (<code>bfb-install</code>) does not display error and warning messages during installation.
	Keywords: Bfb-install; warning messages; logging
	Detected in version: 4.13.0
4693948 4782014	Description: Installation of Ubuntu 24.04 on BlueField-3 eMMC devices is not supported in the 3.2.0 BFB release.
	Keywords: Installation; Ubuntu
	Detected in version: 4.13.0

Known Issues

Ref #	Issue
4667066	Description: For Oracle Linux 9, UEK 4k kernels are not supported by RShim.
	Workaround: Only use UEK 64k releases with RShim.
	Keyword: RShim
	Reported in version: 4.14.0
4882705	Description: The <code>ENABLE_BMC_WAIT</code> configuration requires a power cycle of the BlueField DPU to take effect and function properly. If a user initiates a warm reboot of both the DPU Arm and the DPU BMC simultaneously, the system treats these as two separate, uncoordinated actions. As a result, the DPU Arm/UEFI does not wait for the BMC to become fully ready before proceeding with its own boot sequence.
	Workaround: Always perform a full cold boot of the host server or issue a complete DPU power cycle instead of relying on independent warm reboots of the subsystems.
	Keyword: BMC readiness; DPU Arm
	Reported in version: 4.14.0
4861379 4857694	Description: Due to a hardware limitation, the CPU frequency that is reported is not accurate for frequencies lower than 80%.
	Workaround: N/A
	Keyword: CPU frequency; throttling; hardware limitation; performance monitoring
	Reported in version: 4.14.0
4667066	Description: Oracle Linux 9 prints an error when installing RShim on UEK (4k) kernels.
	Workaround: Only use UEK64k releases with RShim.
	Keyword: RShim
	Reported in version: 4.14.0

Ref #	Issue
4797116	Description: On BlueField-3 DPUs, one of the network ports may fail to be initialized during the UEFI initialization stage. As a result, only one PXE boot entry is displayed. In some instances, the displayed port name (e.g., Port 0) may incorrectly list the MAC address of the other port. Both ports are detected and function correctly once the OS has fully booted.
	Workaround: Connect the network cable to the detected port to proceed with PXE booting.
	Keyword: UEFI; PXE boot
	Reported in version: 4.14.0
4853428	Description: The BFB installation for Ubuntu 24.04 on the DPU's eMMC target does not automatically configure the root file system with the <code>data=journal</code> mount option.
	Workaround: N/A
	Keyword: BFB image; EXT4
	Reported in version: 4.14.0
4643161	Description: On some operating systems, the partition UUID may change after the first boot following installation.
	Workaround: Add <code>FSTAB_USE_DEV_NAME=yes</code> to the <code>bf.cfg</code> .
	Keyword: Maintenance mode; boot failure
	Reported in version: 4.13.0
4712319	Description: On Anolis 8.6 systems, MST drivers may fail to load on the DPU after installing the DOCA 3.0.0 bundle. This is due to a kernel version mismatch within the package, where the base OS image kernel is newer than the kernel for which the included MST drivers were built.
	Workaround: N/A
	Keyword: Kernel; update
	Reported in version: 4.13.0

Ref #	Issue
4401415	Description: After installing openEuler using the BFB method, the system may enter maintenance mode during the first boot.
	Workaround: Choose one of the following: <ul style="list-style-type: none"> • Reinstall the BFB; or • Fix <code>/etc/fstab</code>: <ul style="list-style-type: none"> ◦ Use the <code>blkid</code> command to list partition UUIDs. ◦ Compare them against the UUID in the <code>/etc/fstab</code>. ◦ Update any incorrect UUID entries and reboot the DPU.
	Keyword: UUID; installation
	Reported in version: 4.13.0
4621219	Description: On BlueField DPUs, the ConnectX interface may remain in legacy mode after boot. This prevents SF interface creation and can result in OVS bridge creation failures.
	Workaround: N/A
	Keyword: Redfish; legacy; RDMA
4637738	Reported in version: 4.13.0
	Description: During PXE installation, the system fails to boot because the kernel image (<code>dump-image-v0</code>) included in the BFB is LZMA-compressed and not recognized as a bootable EFI image.
	Workaround: Uncompress the kernel before PXE boot using the command: <code>xz -dc <dump-image-v0> vmlinuz</code> .
4555835	Keyword: PXE; installation; compression
	Reported in version: 4.13.0
	Description: After rebooting BlueField DPUs running Debian or Ubuntu 24.04, the following harmless kernel message may appear in dmesg: <pre>NOHZ tick-stop error: Non-RCU local softirq work is pending, handler #08!!!</pre>
	Workaround: N/A
4555835	Keyword: Logging; NOHZ
	Reported in version: 4.13.0

Ref #	Issue
4438514	Description: Installation of DPU and NIC firmware Golden images included in the BFB as of the 25.10 release requires BMC firmware version 25.10 or later.
	Workaround: Use <code>BMC_REBOOT="yes"</code> to reboot the BMC after updating the BMC firmware so the new firmware is activated. Once the BMC firmware is active, the Golden image update becomes supported. Alternatively, first install the new BFB, which updates the BMC firmware (the Golden image installation will fail initially). Then reset the BMC to activate the new firmware, and reinstall the same BFB to complete the Golden image update.
	Keyword: Golden image; BMC firmware
	Reported in version: 4.13.0
4546931	Description: Running <code>mlxfwreset</code> on BlueField-3 with Ubuntu 24.04 may trigger an ext4 journal warning call trace (<code>ext4_journal_check_start+0xc8/0x120</code>); no functional impact observed, safe to ignore.
	Workaround: N/A
	Keyword: mlxfwreset
	Reported in version: 4.12.0
4371266	Description: Flashing the OpenEuler BFB can cause the DPU to hit a kernel panic, halting the system with fatal exceptions.
	Workaround: N/A
	Keyword: Kernel panic
	Reported in version: 4.12.0
4546879	Description: Running a firmware reset (<code>mlxfwreset</code>) in NIC or DPU mode may fail with a timeout error (BF reset flow timeout).
	Workaround: This issue seems to be caused by specific servers. Contact your vendor for support or use the BlueField device in a different server.
	Keyword: DPU mode; NIC mode; reset
	Reported in version: 4.12.0

Ref #	Issue
4408177	Description: UEFI db keys are deleted after applying <code>efi_sbkeysync.cap</code> version 4.8.0 or higher from a system running version 4.7.0 and lower.
	Workaround: Re-enroll the UEFI db certificates.
	Keyword: UEFI Secure Boot; EFI Capsule Update; ATF/UEFI; Arm Platform Firmware Update; UEFI db
	Reported in version: 4.12.0
4527547	Description: Pushing a BFB image to replacement BlueField-2 devices with outdated UEFI/ATF may fail mid-transfer.
	Workaround: Pre-update firmware components per debug guide and set RSHIM timeout to 300 seconds if RShim version <2.14.
	Keyword: BlueField-2; installation
	Reported in version: 4.12.0
4529173	Description: After a DPU power reset, the IPv6 address of <code>oob_net0</code> becomes unreachable for SSH login, despite successful ICMP ping.
	Workaround: Access the DPU through IPv4 or local console, then manually restart the <code>networking</code> or <code>systemd-networkd</code> service to restore IPv6 SSH functionality: <code>sudo systemctl restart systemd-networkd</code> .
	Keyword: <code>oob_net0</code> ; IPv6; SSH failure
	Reported in version: 4.12.0
4533650	Description: When running <code>bfb-install</code> with the <code>--lftp</code> option, the tool requires <code>qemu-aarch64-static</code> to create a new bundle.
	Workaround: Manually install <code>qemu-aarch64-static</code> from upstream sources or build it from source before running the command. Ensure the binary is available in the system path.
	Keyword: Installation; dependency
	Reported in version: 4.12.0

Ref #	Issue
4546879	Description: Running a firmware reset (mlxfwreset) in NIC or DPU mode may fail with a timeout error (BF reset flow timeout).
	Workaround: Perform a full power cycle to recover the device.
	Keyword: DPU mode; NIC mode; reset
	Reported in version: 4.12.0
4487794	Description: On BlueField-3 systems, upgrading from BFB 2.9.x to 3.0.0 or later may trigger a kernel crash during boot, with a paging request failure (Unable to handle kernel paging request).
	Workaround: N/A
	Keyword: Kernel crash; BFB upgrade; BlueField-3
	Reported in version: 4.11.0
4430658	Description: DPU Arm does not boot, RShim log is empty and BL1 banner Nvidia BlueField-3 rev1 BL1 V1.0 is printed out to the DPU Arm console.
	Workaround: Check the BOOT_MODE value by reading /dev/rshim0/misc. If the BOOT_MODE=0, reset it to 1 and reboot the DPU Arm.
	Keyword: eMMC, Boot, EFI Capsule
	Reported in version: 4.11.0
4424540	Description: A new certificate infrastructure has been integrated into DPU BMC to support future releases. During firmware update (fwbundle), you may observe the following error message in logs: ERR[MISC]: Failed to upload certificates during push fwbundle
	Workaround: BMC_REBOOT="yes" should be added to bf.cfg to activate the new BMC Firmware before installing certificates.
	Keyword: Certificate; Firmware; Update; Failure; fwbundle
	Reported in version: 4.11.0

Ref #	Issue
4029610	Description: OS releases that embed OpenSSL 1.1.1q can encounter a double-free issue in OpenSSL code. The OpenSSL speed test for ECDH can then encounter segmentation fault. Awaiting the vendor to provide an updated version with the fix.
	Workaround: N/A
	Keyword: OpenSSL; double-free; segmentation fault
	Reported in version: 4.10.0
4248001	Description: UEFI boot options get refreshed/reset upon entering the boot manager section in UEFI menu. Due to this all the UEFI boot options get enabled/active. This behavior is expected by default.
	Workaround: To disable refresh/reset of UEFI boot options, the <code>SYS_DISABLE_AUTO_BOOT_REFRESH</code> flag must be set to <code>TRUE</code> in the <code>bf.cfg</code> config file and apply the configuration to the system.
	Keyword: <code>bf.cfg</code>
	Reported in version: 4.10.0
4222194	Description: Running ipmitool from the BMC will show a different output for the discrete sensors of DPU IPMI sensor table than running ipmitool from the DPU.
	Workaround: Use the ipmitool output on the BMC side until the ipmitool is updated in the Ubuntu DPU bfb.
	Keyword: Ipmitool
	Reported in version: 4.10.0
4270602	Description: UEFI/ATF firmware does not upgrade as part of the Linux Standard Tool process when Secure Boot is disabled.
	Workaround: Remove PK key and initiate UEFI/ATF firmware upgrade again. To remove the PK key, use the UEFI menu to navigate to Device Manager → Secure Boot Configuration → Custom Secure Boot Options → PK Options → Delete Signature.
	Keyword: UEFI/ATF; PK; Secure Boot; EFI Capsule Authentication
	Reported in version: 4.10.0

Ref #	Issue
4230957	Description: Upgrades of the BlueField BMC via Redfish may fail while in <code>NicMode</code> due to UEFI trying to reach a wrong Redfish URI that does not exist shown by the log <code>XAUTH POST ... Not Found</code> .
	Workaround: Retry upgrade.
	Keyword: NIC mode; upgrade
	Reported in version: 4.9.1
4186968	Description: Disabling boot options applies the new setting after the first reboot of the BlueField Arm. However, during the second reboot, some boot option settings are unexpectedly re-enabled. This issue specifically affects UEFI boot options.
	Workaround: N/A
	Keyword: UEFI; UEFI boot options
	Reported in version: 4.9.1
4157867	Description: If the SSD is power cycled many times, the file system may be corrupted.
	Workaround: Re-install the BFB or power cycle the BlueField.
	Keyword: eMMC; file corruption
	Reported in version: 4.9.0

Ref #	Issue
4049034	Description: On openEuler 22.03 SP3 and openEuler 20.03 SP1, it is not possible to do <code>yum update</code> after BFB installation.
	Workaround: Attempt the following: <ol style="list-style-type: none"> 1. To update DOCA only, disable ALL repos: <pre style="border: 1px solid #ccc; padding: 10px; margin: 10px 0;">dnf --disablerepo='*' --enablerepo='kubernetes,doca' -y update</pre> 2. To update OS components, exclude <code>rdma-core</code> using one of the following options: <ul style="list-style-type: none"> ◦ Option 1 – Disable <code>rdma-core</code> from <code>dnf.conf</code> using <code>excludepkgs=rdma-core*oe2203sp3*</code> ◦ Option 2 – Disable <code>rdma-core</code> from <code>openEuler.repo</code> file under OS and everything using <code>exclude=rdma-core*</code> ◦ Option 3 – <code>yum update -x rdma-core</code>
	Keyword: openEuler
	Reported in version: 4.9.0
4119852	Description: Redfish communication may be skipped upon reboot immediately following the installation of DOCA BFB-bundle.
	Workaround: Reboot (<code>SW_RESET</code>) the BlueField Arm to fix Redfish communication.
	Keyword: RF; installation; connection
	Reported in version: 4.9.0
3935124	Description: The number of rules users can offload depends on the amount of freed up memory on their system.
	Workaround: N/A
	Keyword: Rule; offload
	Reported in version: 4.9.0

Ref #	Issue
4098782	Description: BlueField does not support the <code>fru print</code> format because it uses ipmitool version 1.8.18.
	Workaround: Read the information from the host using ipmitool version 1.8.19.
	Keyword: IPMI
	Reported in version: 4.9.0
4129715	Description: Compiling Rocky 9.2 may fail when using GCC with the <code>native</code> arch flag.
	Workaround: Upgrade to toolset 13 (gcc 13).
	Keyword: Linux; GCC
	Reported in version: 4.9.0
3957680	Description: Failure to load kernel modules during BFB installation after an upgrade to 2.7.0/4.7.0 (or newer) release from 2.6.0/4.6.0 (or older) release, which results in a downgrade to 2.6.0/4.6.0 (or older) release from 2.7.0/4.7.0 (or newer) release.
	Workaround 1: Before the upgrade that follows a downgrade, delete the expired certificate. Workaround 2: After the upgrade that follows a downgrade, re-install the BFB.
	Keyword: Software
	Reported in version: 4.8.0
3859084	Description: Running <code>bfb-install</code> in remote mode may fail if the remote server lacks an up-to-date <code>nc</code> software that supports TCP server functionality. This issue is commonly observed with servers such as BlueField BMC.
	Workaround: N/A
	Keyword: bfb-install; TCP
	Reported in version: 4.8.0
3876636	Description: RDMA devices are missing after installing BFB in NIC mode.
	Workaround: An additional BlueField reboot is required
	Keyword: RDMA; reboot; NIC mode
	Reported in version: 4.8.0

Ref #	Issue
3960613	Description: When configuring NVMe-oF target offload on Arm, harmless CMA allocation errors appear at the kernel log.
	Workaround: Increase the CMA limit or cancel its use using the kernel's CMD line parameters: <ul style="list-style-type: none"> • Add the parameter <code>cma=256M</code> to increase the CMA limit to 256MB; or • Add the parameter <code>cma=0</code> to disable the use of CMA
	Keyword: NVMe-oF target offload; CMA
	Reported in version: 4.8.0
3969477	Description: At times, BlueField may boot into grub shell after BFB installation.
	Workaround: Power-cycle the BlueField.
	Keyword: BFB installation; grub shell
	Reported in version: 4.8.0
3837649	Description: Possible stack trace in <code>m1xbf_i2c</code> can occur intermittently when booting BFB.
	Workaround: Reboot the BlueField.
	Keyword: Boot
	Reported in version: 4.8.0
3964584	Description: RShim driver is not enabled by default after installation.
	Workaround: Enable RShim driver manually by running <code>systemctl enable rshim</code> . Then either reboot or run <code>systemctl start rshim</code> to start the RShim driver.
	Keyword: RShim driver
	Reported in version: 4.8.0

Ref #	Issue
3239320	Description: Resetting hugepage size to 0 on Rocky Linux 8.6 using the <code>sysctl</code> tool fails.
	Workaround: Use the following command instead: <pre>echo 0 > /sys/kernel/mm/hugepages/hugepages- <Size>/nr_hugepages</pre>
	Keyword: Hugepage; sysctl
	Reported in version: 4.7.0
3859113	Description: Reloading MLNX_OFED drivers with the command <code>/etc/init.d/openibd restart</code> fails when the NVMe driver is installed and in use.
	Workaround: Reboot the machine to load all the MLNX_OFED drivers.
	Keyword: NVMe; driver Reported in version: 4.7.0
3748649	Description: With the numbering of CPUs in an 8-core configuration, the kernel is expected to assign virtual CPU ID numbers from 0-7, where N is the number of cores enabled. With CTyunOS, however, the numbering is unexpected.
	Workaround: N/A
	Keyword: CTyunOS; CPU numbering Reported in version: 4.7.0
3756748	Description: When performing BFB push repeatedly, BlueField-3 may in rare instances fail to boot with the message " <code>PSC error -60</code> " appearing in the RShim log sometimes.
	Workaround: Reset the card or repeat the operation (bfb push).
	Keyword: BFB Push; FW Reset Reported in version: 4.7.0

Ref #	Issue
3665070	Description: Virtio-net controller fails to load if <code>DPA_AUTHENTICATION</code> is enabled.
	Workaround: N/A
	Keyword: Virtio-net; DPA
	Reported in version: 4.7.0
3862683	Description: Creating VFs and hotplug PFs in parallel can lead to controller crash.
	Workaround: Create VFs followed by hotplug PF or vice versa.
	Keyword: Virtio-net emulation
	Reported in version: 4.7.0
3844066	Description: On CentOS 7.6 with kernel 4.19, bringing up OVS bridge interface causes call traces: <pre>WARNING: CPU: 5 PID: 14339 at kernel/rcu/tree_plugin.h:342 rcu_note_context_switch+0x48/0x538</pre>
	Workaround: Do not bring UP OVS bridge interfaces.
	Keyword: CentOS; kernel; rcu_note_context_switch
	Reported in version: 4.7.0
3844705	Description: In OpenEuler 20.03, the Linux Kernel version 4.19.90 is affected by an issue that impacts the discard/trim functionality for the DPU eMMC device which may cause degraded performance of the DPU eMMC over time.
	Workaround: Upgrade to Linux Kernel version 5.10 or later.
	Keyword: eMMC discard; trim functionality
	Reported in version: 4.7.0

Ref #	Issue
3877725	<p>Description: During BFB installation in NIC mode on BlueField-3, too much information is added into RShim log which fills it, causing the Linux installation progress log to not appear in the RShim log.</p> <pre data-bbox="313 342 1463 548"> echo "DISPLAY_LEVEL 2" > /dev/rshim0/misc cat /dev/rshim0/misc </pre>
	<p>Workaround: Monitor the BlueField-3 Arm's UART console to check whether BFB installation has completed or not for NIC mode.</p> <pre data-bbox="313 653 1463 905"> [13:58:39] INFO: Installation finished ... [14:01:53] INFO: Rebooting... </pre>
	<p>Keyword: NIC mode; BFB install</p>
	<p>Reported in version: 4.7.0</p>
3855702	<p>Description: Trying to jump from a steering level in the hardware to a lower level using software steering is not supported on <code>rdma-core</code> lower than 48.x.</p>
	<p>Workaround: N/A</p>
	<p>Keyword: RDMA; SWS</p>
<p>Reported in version: 4.7.0</p>	

Ref #	Issue
3743879	<p>Description: <code>mlxfwreset</code> could timeout on servers where the RShim driver is running and INTx is not supported. The following error message is printed:</p> <pre>BF reset flow encountered a failure due to a reset state error of negotiation timeout</pre>
	<p>Workaround: Set <code>PCIE_HAS_VFIO=0</code> and <code>PCIE_HAS_UIO=0</code> in <code>/etc/rshim.conf</code> and restart the RShim driver. Then re-run the <code>mlxfwreset</code> command.</p> <p>If host Linux kernel lockdown is enabled, then manually unbind the RShim driver before <code>mlxfwreset</code> and bind it back after <code>mlxfwreset</code>:</p> <pre>echo "DROP_MODE 1" > /dev/rshim0/misc mlxfwreset <arguments> echo "DROP_MODE 0" > /dev/rshim0/misc</pre>
	<p>Keyword: Timeout; mlxfwreset; INTx</p>
	<p>Reported in version: 4.7.0</p>
	3613044
<p>Workaround: N/A</p>	
<p>Keywords: eMMC</p>	
<p>Reported in version: 4.6.0</p>	
3670361	<p>Description: Rarely, the driver takes more than several minutes to load.</p>
	<p>Workaround: Re-run <code>/sbin/mlnx_bf_configure</code>.</p>
	<p>Keywords: Driver; boot</p>
	<p>Reported in version: 4.6.0</p>

Ref #	Issue
3755143	<p>Description: UEFI synchronous exception is observed at address 0x479B7xxxx where the UEFI module names are not printed. See the following example:</p> <pre data-bbox="370 365 1321 653">ERR[UEFI] : PC=0x479B78480 (B4000040 3900001F A94153F3 F94013F5) ERR[UEFI] : PC=0x479B78480 ERR[UEFI] : PC=0x479B7E684 ERR[UEFI] : PC=0x47A0E93F4 ERR[UEFI] : PC=0x47A0E9608</pre>
	Workaround: Run software reset or reinstall the BFB.
	Keywords: UEFI synchronous exception
	Reported in version: 4.6.0
3772177	<p>Description: SSHing to the DPU with Debian 12 can print the following warning:</p> <pre data-bbox="326 1003 1377 1087">-bash: warning: setlocale: LC_ALL: cannot change locale (en_US.UTF-8)</pre>
	<p>Workaround: Run:</p> <pre data-bbox="375 1255 927 1287">sudo dpkg-reconfigure locales</pre>
	Keywords: Debian 12; locale; LC_ALL
Reported in version: 4.6.0	
3704985	<p>Description: When the RShim driver is not running on the external host or when the <code>tmfifo_net0</code> interface is down on the DPU side, the following kernel warning may appear on the DPU side:</p> <pre data-bbox="326 1629 1143 1661">virtio_net virtio1 tmfifo_net0: TX timeout.</pre>
	Workaround: N/A
	Keywords: RShim; log
	Reported in version: 4.6.0

Ref #	Issue
3767580	<p>Description: On Debian 12, the first boot after BFB installation may fail with the following kernel panic:</p> <pre data-bbox="354 302 1463 512">[end Kernel panic - not syncing: Attempted to kill init! exitcode=0x00000100]</pre>
	<p>Workaround: Reset the DPU using the RShim interface:</p> <pre data-bbox="354 569 1463 726">echo "SW_RESET 1" > /dev/rshim0/misc</pre>
	<p>Keywords: Debian 12; Kernel panic; kill init</p>
	<p>Reported in version: 4.6.0</p>
3771601	<p>Description: On Debian 12, <code>/etc/init.d/openibd restart</code> fails with the following error:</p> <pre data-bbox="354 961 1463 1119">rmod: ERROR: Module rdma_cm is in use by: nvme_rdma</pre>
	<p>Workaround: Run:</p> <pre data-bbox="354 1178 1463 1335">modprobe -r nvme_rdma; /etc/init.d/openibd restart</pre>
	<p>Keywords: Debian 12; openibd; nvme_rdma</p>
	<p>Reported in version: 4.6.0</p>

Ref #	Issue
3686053	Description: BlueField-2 supports a total of 120GB of PCIe memory space. When the GPU is configured to be exposed to the BlueField, it requests 32GB of space for its BAR0. The Linux 5.15 kernel also attempts to reserve space for the total number of VFs, even if they are not enabled. By default, the A100 allows 20 VFs which each need 4GB of memory space. Because of PCIe memory alignment requirements and other small devices on the bus, this additional 80GB causes PCIe resource allocation to fail.
	Workaround: Add "pci=realloc=off" to the Linux command line. This will force Linux to accept the resource allocation done by UEFI and allow enumeration to succeed.
	Keyword: VF; kernel; resources
	Reported in version: 4.6.0
3678069	Description: If using DPUs with NVMe and mmcblk and configured to boot from mmcblk, users must create a <code>bf.cfg</code> file with <code>device=/dev/mmcblk0</code> before installing the <code>*.bfb</code> .
	Workaround: N/A
	Keyword: NVMe
	Reported in version: 4.6.0
3747285	Description: The ipmitool command to force PXE in BMC modifies both the IPMI and Redfish request settings. When Redfish is enabled in UEFI, Redfish takes priority, so all PXE boot entries are attempted and before regular boot continues.
	Workaround: Redfish must be disabled if IPMI force PXE retry behavior is expected.
	Keyword: PXE; retry; fail
	Reported in version: 4.6.0
3745529	Description: When rebooting the DPU while the host side is running traffic over bond, TX timeout is likely to occur. This generates a TX timeout recovery flow that may conflict with host recovery attempts from the DPU reboot.
	Workaround: N/A
	Keyword: Bond; timeout
	Reported in version: 4.6.0

Ref #	Issue
3733713	Description: CA certificates in the UEFI are stored in the database provided by the user. It is user responsibility to enroll the correct certificate. The user is the owner of the certificate and should make sure of its validity.
	Workaround: N/A
	Keyword: CA certificates; UEFI
	Reported in version: 4.6.0
3733740	Description: CA certificates in the BMC are owned by the user who is required to enroll valid and correct certificates. If incorrect BMC CA certificates are enrolled, then DPU-BMC redfish communication will be invalid.
	Workaround: N/A
	Keyword: CA certificates; BMC
	Reported in version: 4.6.0
3666574	Description: Running <code>systemctl restart openibd</code> on the DPU can result in openvswitch service crash.
	Workaround: Run <code>/etc/init.d/openvswitch-switch start</code> .
	Keyword: OVS fail; openibd
	Reported in version: 4.6.0
4445755	Description: NIC firmware does not automatically update after BFB installation despite <code>WITH_NIC_FW_UPDATE</code> being enabled.
	Workaround: Manually upgrade firmware using <code>mlxfwmanager</code> post-install.
	Keyword: Firmware; NIC mode
	Reported in version: 4.5.4

Ref #	Issue
3880194	Description: <code>mlxbf-bootctl</code> command failed to install <code>default.bfb</code> .

Ref #	Issue
	<p>Workaround: The following are possible options –</p> <ul style="list-style-type: none"> • Boot the BFB file <code>doca_2.5.0_bsp_4.5.0_ubuntu_22.04-1.23-10.prod.bfb</code> to update the platform software • Download, compile, and install latest <code>mlxbf-bootctl</code> command from GitHub • Edit <code>default.bfb</code> by using the <code>mlx-mkbf</code> command to incorporate the platform-specific images and filtering out unused images. Example for a BlueField-2 device: <pre data-bbox="396 642 1463 1896"> \$ mlx-mkbf -x default.bfb \$ mlx-mkbf \ --bl2r-v1=dump-bl2r-v1 \ --bl2r-cert-v1=dump-bl2r-cert-v1 \ --bl2-v1=dump-bl2-v1 \ --bl2-cert-v1=dump-bl2-cert-v1 \ --bl31-v1=dump-bl31-v1 \ --bl31-cert-v1=dump-bl31-cert-v1 \ --bl31-key-cert-v1=dump-bl31-key-cert-v1 \ --bl33-v0=dump-bl33-v0 \ --bl33-cert-v1=dump-bl33-cert-v1 \ --bl33-key-cert-v1=dump-bl33-key-cert-v1 \ --boot-acpi-v0=dump-boot-acpi-v0 \ --boot-args-v0=dump-boot-args-v0 \ --boot-desc-v0=dump-boot-desc-v0 \ --boot-path-v0=dump-boot-path-v0 \ --ddr_ini-v1=dump-ddr_ini-v1 \ --ddr-cert-v1=dump-ddr-cert-v1 \ --ddr_ate_imem-v1=dump-ddr_ate_imem-v1 \ --ddr_ate_dmem-v1=dump-ddr_ate_dmem-v1 \ --snps_images-v1=dump-snps_images-v1 \ --trusted-key-cert-v1=dump-trusted-key-cert-v1 \ default_min.bfb </pre>

Ref #	Issue
	Keywords: Software; upgrade
	Discovered in version: 4.5.1
3204153	Description: On BlueField-2, the OOB may not get an IP address due to the interface being down.
	Workaround: restart auto-negotiation using the command <code>ethtool -r oob_net0</code> .
	Keyword: OOB; IP
	Reported in version: 4.5.0
3601491	Description: Symmetric pause must be enabled in the DHCP server for the OOB to be able to reliably get an IP address assigned.
	Workaround: N/A
	Keyword: OOB; IP
	Reported in version: 4.5.0
3673330	Description: On Debian 12, Arm ports remain in Legacy mode after multiple Arm reboot iterations. The following error message appears in <code>/var/log/syslog</code> :
	<pre>mInx_bf_configure[2601]: ERR: Failed to configure switchdev mode for 0000:03:00.0 after 61 retries</pre>
	Workaround: Run:
	<pre>\$ echo SET_MODE_RETRY_NUM=300 >> /etc/mellanox/mInx- bf.conf \$ reboot</pre>
	Keyword: Debian; Arm
	Reported in version: 4.5.0

Ref #	Issue
3695543	Description: PXE boot may fail after a firmware upgrade from 32.36.xxxx, 32.37.xxxx, to 32.38.xxxx and above.
	Workaround: Create <code>/etc/bf.cfg</code> with the following lines, then run <code>bfcfg</code> to recreate the PXE boot entries: <pre data-bbox="354 415 1463 869"> B00T0=DISK B00T1=NET-NIC_P0-IPV4 B00T2=NET-NIC_P0-IPV6 B00T3=NET-NIC_P1-IPV4 B00T4=NET-NIC_P1-IPV6 B00T5=NET-00B-IPV4 B00T6=NET-00B-IPV6 </pre>
	Keyword: MAC allocation; PXE boot
	Reported in version: 4.5.0
3647476	Description: Debian 12 OS does not support CT tunnel offload.
	Workaround: Recompile the kernel with <code>CONFIG_NET_TC_SKB_EXT</code> set.
	Keyword: Connection tracking; Linux
	Reported in version: 4.5.0

Ref #	Issue
3007696	<p>Description: When configuring a static IP address for <code>tmfifo_net0</code> interface in <code>/etc/network/interfaces</code>, the IP address is lost after restarting the RShim driver on Debian Linux.</p>
	<p>Workaround: Use netplan configuration. For example</p> <pre data-bbox="315 422 1463 978"> # cat /etc/netplan/tmfifo_net0.yaml network: version: 2 renderer: networkd ethernets: tmfifo_net0: addresses: - 192.168.100.1/30 dhcp4: false </pre> <p>Then run "netplan apply".</p>
	<p>Keyword: IP address; tmfifo_net0; host</p>
	<p>Reported in version: 4.5.0</p>
3670628	<p>Description: When NIC subsystem is in recovery mode, the interface towards to NVMe is not accessible. Thus, the SSD boot device would not be available.</p>
	<p>Workaround: The admin must configure the Arm subsystem boot device to boot from the eMMC, for example.</p>
	<p>Keyword: mlxfwreset; RShim</p>
	<p>Reported in version: 4.5.0</p>
3702393	<p>Description: On rare occasions, the boot process part of SWRESET (via RShim) or FWRESET (via mlxfwreset) may result in a device hanging on the boot flow or cause the host server to reboot.</p>
	<p>Workaround: Perform graceful shutdown and then a power cycle.</p>
	<p>Keyword: mlxfwreset; RShim</p>
	<p>Reported in version: 4.5.0</p>

Ref #	Issue
3665724	Description: If the UEFI password is an empty string (""), then it cannot be changed via Redfish.
	Workaround: UEFI; password; Redfish
	Keyword: UEFI; password; Redfish
	Reported in version: 4.5.0
3671185	Description: XFRM rules must be deleted before driver restart or warm reboot are performed.
	Workaround: N/A
	Keyword: IPsec
	Reported in version: 4.5.0
3666160	Description: Installing BFB using <code>bfb-install</code> when <code>mlxconfig PF_TOTAL_SF</code> > 1700, triggers server reboot immediately.
	Workaround: Change <code>PF_TOTAL_SF</code> to 0, perform graceful shutdown, then power cycle, and then install the BFB.
	Keyword: SF; PF_TOTAL_SF; BFB installation
	Reported in version: 4.2.2
3605254	Description: Following a system power cycle, both the DPU and BMC boot independently which may lead to the DPU's UEFI boot process to complete before the BMC's. As a result, when attempting to establish Redfish communication, the BMC may not yet be prepared to respond.
	Workaround: Wait until the BMC is done booting before issuing a reset command to the DPU.
	Keyword: Power cycle; Redfish; boot
	Reported in version: 4.2.1

Ref #	Issue
3602044	Description: When the public key is deleted while Redfish is enabled, UEFI secure boot is disabled and UEFI reverts to Setup Mode (i.e., the <code>SecureBootEnable</code> Redfish property is reset to <code>false</code>). If later, the public key is re-enrolled, the platform does not implement UEFI secure boot until the <code>SecureBootEnable</code> Redfish property is explicitly changed to <code>true</code> .
	Workaround: Set <code>SecureBootEnable</code> to true using the Redfish API.
	Keyword: Redfish; UEFI secure boot
	Reported in version: 4.2.1
3592080	Description: When using UEK8 on the host in DPU mode, creating a VF on the host consumes about 100MB memory on the DPU.
	Workaround: N/A
	Keyword: UEK; VF
	Reported in version: 4.2.1
3568341	Description: Downgrading BSP software from 4.2.0 fails if UEFI secure boot is enabled.
	Workaround: Disable UEFI secure boot before downgrading.
	Keyword: Software; downgrade
	Reported in version: 4.2.0
3566042	Description: Virtio hotplug is not supported in GPU-HOST mode on the NVIDIA Converged Accelerator.
	Workaround: N/A
	Keyword: Virtio; Converged Accelerator
	Reported in version: 4.2.0
3546474	Description: PXE boot over ConnectX interface might not work due to an invalid MAC address in the UEFI boot entry.
	Workaround: On the DPU, create <code>/etc/bf.cfg</code> file with the relevant PXE boot entries, then run the command <code>bfcfg</code> .
	Keyword: PXE; boot; MAC
	Reported in version: 4.2.0

Ref #	Issue
3546202	<p>Description: After rebooting a BlueField-3 DPU running Rocky Linux 8.6 BFB, the kernel log shows the following error:</p> <pre data-bbox="354 302 1463 506">[3.787135] mlxbf_gige MLNXBF17:00: Error getting PHY irq. Use polling instead</pre> <p>This message indicates that the Ethernet driver will function normally in all aspects, except that PHY polling is enabled.</p> <p>Workaround: N/A</p> <p>Keyword: Linux; PHY; kernel</p> <p>Reported in version: 4.2.0</p>
3306489	<p>Description: When performing longevity tests (e.g., mlxfwreset, DPU reboot, burning of new BFBs), a host running an Intel CPU may observe errors related to "CPU 0: Machine Check Exception".</p> <p>Workaround: Add <code>intel_idle.max_cstate=1</code> entry to the kernel command line.</p> <p>Keyword: Longevity; mlxfwreset; DPU reboot</p> <p>Reported in version: 4.2.0</p>
3538486	<p>Description: When removing LAG configuration from the DPU, a kernel warning for <code>uverbs_destroy_ufile_hw</code> is observed if virtio-net-controller is still running.</p> <p>Workaround: Stop virtio-net-controller service before cleaning up bond configuration.</p> <p>Keyword: Virtio-net; LAG</p> <p>Reported in version: 4.2.0</p>

Ref #	Issue
3462630	<p>Description: When trying to perform a PXE installation when UEFI Secure Boot is enabled, the following error messages may be observed:</p> <pre data-bbox="354 302 1463 506"> error: shim_lock protocol not found. error: you need to load the kernel first.</pre>
	<p>Workaround: Download a Grub EFI binary from the Ubuntu website. For further information on Ubuntu UEFI Secure Boot PXE Boot, please visit Ubuntu's official website.</p>
	<p>Keyword: PXE; UEFI Secure Boot</p>
	<p>Reported in version: 4.0.2</p>
3412847	<p>Description: Socket-Direct is currently not supported on BlueField-3 devices.</p>
	<p>Workaround: N/A</p>
	<p>Keyword: Socket-Direct; support</p>
	<p>Reported in version: 4.0.2</p>
3448841	<p>Description: While running CentOS 8.2, switchdev Ethernet DPU runs in "shared" RDMA net namespace mode instead of "exclusive".</p>
	<p>Workaround: Use <code>ib_core</code> module parameter <code>netns_mode=0</code>. For example:</p>
	<pre data-bbox="354 1234 1463 1434"> echo "options ib_core netns_mode=0" >> /etc/modprobe.d/mlnx-bf.conf</pre>
	<p>Keywords: RDMA; isolation; Net NS</p>
<p>Reported in version: 4.0.2</p>	
3413938	<p>Description: Using <code>mlnx-sf</code> script, creating and deleting an SF with same ID number in a stressful manner may cause the setup to hang due to a race between create and delete commands.</p>
	<p>Workaround: N/A</p>
	<p>Keywords: Hang; <code>mlnx-sf</code></p>
	<p>Reported in version: 4.0.2</p>

Ref #	Issue
3452740	Description: Ovs-pki is not working due to two versions of OpenSSL being installed, causing the PKA engine to not load properly.
	Workaround: N/A
	Keywords: PKA; OpenSSL
	Reported in version: 4.0.2
3273435	Description: Changing the mode of operation between NIC and DPU modes results in different capabilities for the host driver which might cause unexpected behavior.
	Workaround: Reload the host driver or reboot the host.
	Keywords: Modes of operation; driver
	Reported in version: 4.0.2
2706803	Description: When an NVMe controller, SoC management controller, and DMA controller are configured, the maximum number of VFs is limited to 124.
	Workaround: N/A
	Keywords: VF; limitation
	Reported in version: 4.0.2
3264224	Description: When trying to change boot order using efibootmgr, BlueField fails to attempt PXE boot from <code>p0</code> even though efibootmgr returns a successful result.
	Workaround: Drop into the UEFI menu and regenerate all the EFI entries.
	Keywords: PXE; efibootmgr
	Reported in version: 3.9.3.1
3188415	Description: An Arm firmware update to the same version that is installed will fail and is not supported.
	Workaround: N/A
	Keywords: Arm; firmware; update
	Reported in version: 3.9.2

Ref #	Issue
N/A	Description: The <code>BootOptionEnabled</code> attribute changes back to true after DPU-force reset.
	Workaround: N/A
	Keywords: Redfish; <code>BootOptionEnabled</code>
	Reported in version: 3.9.2
3012182	Description: The command <code>ethtool -I --show-fec</code> is not supported by the DPU with kernel 5.4.
	Workaround: N/A
	Keywords: Kernel; show-fec
	Reported in version: 3.9.0
2855986	Description: After disabling SR-IOV VF on a virtio device, removing virtio-net/PCIe driver from guest OS may render the virtio controller unusable .
	Workaround: Restart the virtio-net controller to recover it. To avoid this issue, monitor the log from controller and make sure VF resources are destroyed before unloading virtio-net/PCIe drivers.
	Keywords: Virtio-net; VF
	Reported in version: 3.9.0
2863456	Description: SA limit by packet count (hard and soft) are supported only on traffic originated from the ECPF. Trying to configure them on VF traffic removes the SA when hard limit is hit. However, traffic could still pass as plain text due to the tunnel offload used in such configuration.
	Workaround: N/A
	Keywords: ASAP2; IPsec Full Offload
	Reported in version: 3.9.0
2982184	Description: When multiple BlueField resets are issued within 10 seconds of each other, EEPROM error messages are displayed on the console and, as a result, the BlueField may not boot from the eMMC and may halt at the UEFI menu.
	Workaround: Power-cycle the BlueField to fix the EEPROM issue. Manual recovery of the boot options and/or SW installation may be needed.
	Keywords: Reset; EEPROM
	Reported in version: 3.9.0

Ref #	Issue
2853408	Description: Some pre-OS environments may fail when sensing a hot plug operation during their boot stage.
	Workaround: Run " <code>mLxconfig -d <mst dev> set PF_LOG_BAR_SIZE=0</code> ".
	Keywords: BIOS; hot-plug; Virtio-net
	Reported in version: 3.9.0
2934833	Description: Running I/O traffic and toggling both physical ports status in a stressful manner on the receiving-end machine may cause traffic loss.
	Workaround: N/A
	Keywords: MLNX_OFED; RDMA; port toggle
	Reported in version: 3.8.5
2911425	Description: ProLiant DL385 Gen10 Plus server with BIOS version 1.3 hangs when large number of SFs (<code>PF_TOTAL_SF=252</code>) are configured.
	Workaround: Update the BIOS version to 2.4 which should correctly detect the PCIe device with the bigger BAR size.
	Keywords: Scalable functions; BIOS
	Reported in version: 3.8.5
N/A	Description: Only QP queues are supported for GGA accelerators from this version onward.
	Workaround: N/A
	Keywords: Firmware; SQ; QP
	Reported in version: 3.8.0
2846108	Description: Setting <code>VHCA_TRUST_LEVEL</code> does not work when there are active SFs or VFs.
	Workaround: N/A
	Keywords: Firmware; SF; VF
	Reported in version: 3.8.0

Ref #	Issue
2750499	Description: Some devlink commands are only supported by mlnx devlink (<code>/opt/mellanox/iproute2/sbin/devlink</code>). The default devlink from the OS may produce failure (e.g., <code>devlink port show -j</code>).
	Workaround: N/A
	Keywords: Devlink
	Reported in version: 3.7.1
2730157	Description: Kernel upgrade is not currently supported on BlueField as there are out of tree kernel modules (e.g., ConnectX drivers that will stop working after kernel upgrade).
	Workaround: Kernel can be upgraded if there is a matching DOCA repository that includes all the drivers compiled with the new kernel or as a part of the new BFB package.
	Keywords: Kernel; upgrade
	Reported in version: 3.7.0
2706710	Description: Call traces are seen on the host when recreating VFs before the controller side finishes the deletion procedure.
	Workaround: N/A
	Keywords: Virtio-net controller
	Reported in version: 3.7.0
2685478	Description: 3rd party (netkvm.sys) Virtio-net drivers for Windows do not support SR-IOV.
	Workaround: N/A
	Keywords: Virtio-net; SR-IOV; WinOF-2
	Reported in version: 3.7.0
2684501	Description: Once the contiguous memory pool, a limited resource, is exhausted, fallback allocation to other methods occurs. This process triggers <code>cma_alloc</code> failures in the dmesg log.
	Workaround: N/A
	Keywords: Log; cma_alloc; memory
	Reported in version: 3.7.0

Ref #	Issue
2590016	Description: ibdev2netdev tool is not supported for PCIe PF operating in switchdev mode or on SFs.
	Workaround: N/A
	Keywords: ibdev2netdev
	Reported in version: 3.6.0.11699
2590016	Description: A "double free" error is seen when using the "curl" utility. This error is from libcrypto.so library which is part of the OpenSSL package. This happens only when OpenSSL is configured to use a dynamic engine (e.g. Bluefield PKA engine).
	Workaround: Set <code>OPENSSL_CONF=/etc/ssl/openssl.cnf.orig</code> before using the curl utility. For example:
	<pre># OPENSSL_CONF=/etc/ssl/openssl.cnf.orig curl -0 https://tpo.pe/pathogen.vim</pre>
	<p>Note</p> <p>OPENSSL_CONF is aimed at using a custom config file for applications. In this case, it is used to point to a config file where dynamic engine (PKA engine) is not enabled.</p>
	Keywords: OpenSSL; curl
Reported in version: 3.6.0.11699	

Ref #	Issue
2407897	<p>Description: The host may crash when the number of PCIe devices overflows the PCIe device address. According to the PCIe spec, the device address space is 8 bits in total—device (5 bits) and function (3 bits)—which means that the total number of devices cannot be more than 256.</p> <p>The second PF maximum number of VFs is limited by the total number of additional PCIe devices that precedes it. By default, the preceding PCIe devices are 2 PFs + RShim DMA + 127 VFs of the first PF. This means that the maximum valid number of VFs for the second port will be 126.</p>
	<p>Workaround: Use the maximum allowed VFs on the 2nd PCIe PF of BlueField instead of the maximum of 127 VFs.</p>
	<p>Keywords: Emulated devices; VirtIO-net; VirtIO-blk; VFs; RShim</p>
	<p>Reported in version: 3.6.0.11699</p>
2445289	<p>Description: If secure boot is enabled, MFT cannot be installed on the BlueField DPU independently from BlueField drivers (MLNX_OFED).</p>
	<p>Workaround: N/A</p>
	<p>Keywords: MFT; secure boot</p>
	<p>Reported in version: 3.5.1.11601</p>
2377021	<p>Description: Executing <code>sudo poweroff</code> on the Arm side causes the system to hang.</p>
	<p>Workaround: Perform graceful shutdown, then reboot your BlueField device or power cycle the server.</p>
	<p>Keywords: Hang; reboot</p>
	<p>Reported in version: 3.5.0.11563</p>
2350132	<p>Description: Boot process hangs at BIOS (version 1.2.11) stage when power cycling a server (model Dell PowerEdge R7525) after configuring "PCI_SWITCH_EMULATION_NUM_PORT" > 27.</p>
	<p>Workaround: N/A</p>
	<p>Keywords: Server; hang; power cycle</p>
	<p>Reported in version: 3.5.0.11563</p>

Ref #	Issue
2581408	Description: On a BlueField device operating in Embedded CPU mode, PXE driver will fail to boot if the Arm side is not fully loaded and the OVS bridge is not configured.
	Workaround: Run warm reboot on the host side and boot again via the device when Arm is up and the OVS bridge is configured.
	Keywords: Embedded CPU; PXE; UEFI; Arm
	Reported in version: 2.5.0.11176
1859322	Description: On some setups, DPU does not power on following server cold boot when UART cable is attached to the same server.
	Workaround: As long as the RShim driver is loaded on the server and the RShim interface is visible, the RShim driver will detect this and auto-reset the card into normal state.
	Keywords: DPU; Arm; Cold Boot
	Reported in version: 2.4.0.11082
1899921	Description: Driver restart fails when SNAP service is running.
	Workaround: Stop the SNAP services nvme_sf and nvme_snap@nvme0, then restart the driver. After the driver loads restart the services.
	Keywords: SNAP
	Reported in version: 2.2.0.11000
1911618	Description: Defining namespaces with certain Micron disks (Micron_9300_MTFDHAL3T8TDP) using consecutive attach-ns commands can cause errors.
	Workaround: Add delay between attach-ns commands.
	Keywords: Micron; disk; namespace; attach-ns
	Reported in version: 2.2.0.11000

Validated and Supported Cables and Modules

Cables Lifecycle Legend

Lifecycle Phase	Definition
EOL	End of Life
LTB	Last Time Buy
HVM	GA level
MP	GA level
P-Rel	GA level
Preliminary	Engineering Sample
Prototype	Engineering Sample

Supported Cables and Modules for BlueField-3

Cables Lifecycle Legend

Lifecycle Phase	Definition
EOL	End of Life
LTB	Last Time Buy
HVM	GA level
MP	GA level
P-Rel	GA level
Preliminary	Engineering Sample
Prototype	Engineering Sample

NDR / 400GbE Cables

IB Data Rate	Eth Data Rate	NVIDIA P/N	Legacy P/N	Description	LifeCycle Phase
N/A	400GE	980-9108L-00W003	C-DQ8FNM003-NML	NVIDIA Select 400GbE QSFP-DD AOC 3m	Preliminary
N/A	400GE	980-9108N-00W005	C-DQ8FNM005-NML	NVIDIA Select 400GbE QSFP-DD AOC 5m	Preliminary
N/A	400GE	980-9108P-00W010	C-DQ8FNM010-NML	NVIDIA Select 400GbE QSFP-DD AOC 10m	Preliminary
N/A	400GE	980-9108R-00W020	C-DQ8FNM020-NML	NVIDIA Select 400GbE QSFP-DD AOC 20m	Preliminary
N/A	400GE	980-9108T-00W050	C-DQ8FNM050-NML	NVIDIA Select 400GbE QSFP-DD AOC 50m	Preliminary
NDR	N/A	980-9181B-00N004	MCA7J65-N004	NVIDIA Active copper splitter cable, IB twin port NDR 800Gb/s to 2x400Gb/s, OSFP to 2xQSFP112, 4m	Prototype
NDR	N/A	980-9181C-00N005	MCA7J65-N005	NVIDIA Active copper splitter cable, IB twin port NDR 800Gb/s to 2x400Gb/s, OSFP to 2xQSFP112, 5m	Prototype
NDR	N/A	980-9176G-00N004	MCA7J75-N004	NVIDIA Active copper splitter cable, IB twin port NDR 800Gb/s to 4x200Gb/s, OSFP to 4xQSFP112, 4m	Prototype
NDR	N/A	980-9176H-00N005	MCA7J75-N005	NVIDIA Active copper splitter cable, IB twin port NDR 800Gb/s to 4x200Gb/s, OSFP to 4xQSFP112, 5m	Prototype

IB Data Rate	Eth Data Rate	NVIDIA P/N	Legacy P/N	Description	LifeCycle Phase
NDR	N/A	980-91928-00N001	MCP7Y10-N001	NVIDIA passive copper splitter cable, IB twin port NDR 800Gb/s to 2x400Gb/s, OSFP to 2xQSFP112,1m	P-Rel
NDR	N/A	980-91929-00N002	MCP7Y10-N002	NVIDIA passive copper splitter cable, IB twin port NDR 800Gb/s to 2x400Gb/s, OSFP to 2xQSFP112,2m	P-Rel
NDR	N/A	980-9180P-00N003	MCP7Y10-N003	NVIDIA passive copper splitter cable, IB twin port NDR 800Gb/s to 2x400Gb/s, OSFP to 2xQSFP112,3m	P-Rel
NDR	N/A	980-9180A-00N01A	MCP7Y10-N01A	NVIDIA passive copper splitter cable, IB twin port NDR 800Gb/s to 2x400Gb/s, OSFP to 2xQSFP112,1.5m	P-Rel
NDR	N/A	980-9180Q-00N02A	MCP7Y10-N02A	NVIDIA passive copper splitter cable, IB twin port NDR 800Gb/s to 2x400Gb/s, OSFP to 2xQSFP112,2.5m	P-Rel
NDR	N/A	980-9180B-00N001	MCP7Y40-N001	NVIDIA passive copper splitter cable, IB twin port NDR 800Gb/s to 4x200Gb/s, OSFP to 4xQSFP112, 1m	P-Rel
NDR	N/A	980-9180C-00N002	MCP7Y40-N002	NVIDIA passive copper splitter cable, IB twin port NDR 800Gb/s to 4x200Gb/s, OSFP to 4xQSFP112, 2m	P-Rel
NDR	N/A	980-9175R-00N003	MCP7Y40-N003	NVIDIA passive copper splitter cable, IB twin port NDR 800Gb/s to 4x200Gb/s, OSFP to 4xQSFP112, 3m	P-Rel
NDR	N/A	980-9175D-00N01A	MCP7Y40-N01A	NVIDIA passive copper splitter cable, IB twin port NDR 800Gb/s to 4x200Gb/s, OSFP to 4xQSFP112, 1.5m	P-Rel

IB Data Rate	Eth Data Rate	NVIDIA P/N	Legacy P/N	Description	LifeCycle Phase
NDR	N/A	980-9175S-00N02A	MCP7Y40-N02A	NVIDIA passive copper splitter cable, IB twin port NDR 800Gb/s to 4x200Gb/s, OSFP to 4xQSFP112, 2.5m	P-Rel
NDR	N/A	980-9173U-000003	MFP7E10-N003	NVIDIA passive fiber cable, MMF , MPO12 APC to MPO12 APC, 3m	MP
NDR	N/A	980-9173V-000005	MFP7E10-N005	NVIDIA passive fiber cable, MMF, MPO12 APC to MPO12 APC, 5m	MP
NDR	N/A	980-9157W-000007	MFP7E10-N007	NVIDIA passive fiber cable, MMF, MPO12 APC to MPO12 APC, 7m	MP
NDR	N/A	980-9157X-00N010	MFP7E10-N010	NVIDIA passive fiber cable, MMF, MPO12 APC to MPO12 APC, 10m	MP
NDR	N/A	980-9157Y-000015	MFP7E10-N015	NVIDIA passive fiber cable, MMF , MPO12 APC to MPO12 APC, 15m	MP
NDR	N/A	980-9157Z-000020	MFP7E10-N020	NVIDIA passive fiber cable, MMF, MPO12 APC to MPO12 APC, 20m	MP
NDR	N/A	980-91573-00N025	MFP7E10-N025	NVIDIA passive fiber cable, MMF, MPO12 APC to MPO12 APC, 25m	MP
NDR	N/A	980-91570-00N030	MFP7E10-N030	NVIDIA passive fiber cable, MMF, MPO12 APC to MPO12 APC, 30m	MP
NDR	N/A	980-91570-00N035	MFP7E10-N035	NVIDIA passive fiber cable, MMF, MPO12 APC to MPO12 APC, 35m	MP
NDR	N/A	980-91570-00N040	MFP7E10-N040	NVIDIA passive fiber cable, MMF, MPO12 APC to MPO12 APC, 40m	MP

IB Data Rate	Eth Data Rate	NVIDIA P/N	Legacy P/N	Description	LifeCycle Phase
NDR	N/A	980-9157Y-00N050	MFP7E10-N050	NVIDIA passive fiber cable, MMF, MPO12 APC to MPO12 APC, 50m	MP
NDR	N/A	980-91571-00N003	MFP7E20-N003	NVIDIA passive fiber cable, MMF, MPO12 APC to 2xMPO12 APC, 3m	MP
NDR	N/A	980-91572-00N005	MFP7E20-N005	NVIDIA passive fiber cable, MMF, MPO12 APC to 2xMPO12 APC, 5m	MP
NDR	N/A	980-91573-00N007	MFP7E20-N007	NVIDIA passive fiber cable, MMF, MPO12 APC to 2xMPO12 APC, 7m	MP
NDR	N/A	980-91554-00N010	MFP7E20-N010	NVIDIA passive fiber cable, MMF, MPO12 APC to 2xMPO12 APC, 10m	MP
NDR	N/A	980-91555-00N015	MFP7E20-N015	NVIDIA passive fiber cable, MMF, MPO12 APC to 2xMPO12 APC, 15m	MP
NDR	N/A	980-91556-00N020	MFP7E20-N020	NVIDIA passive fiber cable, MMF, MPO12 APC to 2xMPO12 APC, 20m	MP
NDR	N/A	980-91557-00N030	MFP7E20-N030	NVIDIA passive fiber cable, MMF, MPO12 APC to 2xMPO12 APC, 30m	MP
NDR	N/A	980-9155Z-00N050	MFP7E20-N050	NVIDIA passive fiber cable, MMF, MPO12 APC to 2xMPO12 APC, 50m	MP
NDR	N/A	980-91558-00N001	MFP7E30-N001	NVIDIA passive fiber cable, SMF, MPO12 APC to MPO12 APC, 1m	MP
NDR	N/A	980-91559-00N002	MFP7E30-N002	NVIDIA passive fiber cable, SMF, MPO12 APC to MPO12 APC, 2m	MP

IB Data Rate	Eth Data Rate	NVIDIA P/N	Legacy P/N	Description	LifeCycle Phase
NDR	N/A	980-9155A-00N003	MFP7E30-N003	NVIDIA passive fiber cable, SMF, MPO12 APC to MPO12 APC, 3m	MP
NDR	N/A	980-9155B-00N005	MFP7E30-N005	NVIDIA passive fiber cable, SMF, MPO12 APC to MPO12 APC, 5m	MP
NDR	N/A	980-9158C-00N007	MFP7E30-N007	NVIDIA passive fiber cable, SMF, MPO12 APC to MPO12 APC, 7m	MP
NDR	N/A	980-9158D-00N010	MFP7E30-N010	NVIDIA passive fiber cable, SMF, MPO12 APC to MPO12 APC, 10m	MP
NDR	N/A	980-9158E-00N015	MFP7E30-N015	NVIDIA passive fiber cable, SMF, MPO12 APC to MPO12 APC, 15m	MP
NDR	N/A	980-9158F-00N020	MFP7E30-N020	NVIDIA passive fiber cable, SMF, MPO12 APC to MPO12 APC, 20m	MP
NDR	N/A	980-9158G-00N030	MFP7E30-N030	NVIDIA passive fiber cable, SMF, MPO12 APC to MPO12 APC, 30m	MP
NDR	N/A	980-91580-00N030	MFP7E30-N040	NVIDIA passive fiber cable, SMF, MPO12 APC to MPO12 APC, 40m	MP
NDR	N/A	980-9158H-00N050	MFP7E30-N050	NVIDIA passive fiber cable, SMF, MPO12 APC to MPO12 APC, 50m	MP
NDR	N/A	980-91581-00N050	MFP7E30-N060	NVIDIA passive fiber cable, SMF, MPO12 APC to MPO12 APC, 60m	MP
NDR	N/A	980-91582-00N050	MFP7E30-N070	NVIDIA passive fiber cable, SMF, MPO12 APC to MPO12 APC, 70m	MP

IB Data Rate	Eth Data Rate	NVIDIA P/N	Legacy P/N	Description	LifeCycle Phase
NDR	N/A	980-9158I-00N100	MFP7E30-N100	NVIDIA passive fiber cable, SMF, MPO12 APC to MPO12 APC, 100m	MP
NDR	N/A	980-9158J-00N150	MFP7E30-N150	NVIDIA passive fiber cable, SMF, MPO12 APC to MPO12 APC, 150m	MP
NDR	N/A	980-9158K-00N003	MFP7E40-N003	NVIDIA passive fiber cable, SMF, MPO12 APC to 2xMPO12 APC, 3m	MP
NDR	N/A	980-9158L-00N005	MFP7E40-N005	NVIDIA passive fiber cable, SMF, MPO12 APC to 2xMPO12 APC, 5m	MP
NDR	N/A	980-9158M-00N007	MFP7E40-N007	NVIDIA passive fiber cable, SMF, MPO12 APC to 2xMPO12 APC, 7m	MP
NDR	N/A	980-9158N-00N010	MFP7E40-N010	NVIDIA passive fiber cable, SMF, MPO12 APC to 2xMPO12 APC, 10m	MP
NDR	N/A	980-9156O-00N015	MFP7E40-N015	NVIDIA passive fiber cable, SMF, MPO12 APC to 2xMPO12 APC, 15m	MP
NDR	N/A	980-9156P-00N020	MFP7E40-N020	NVIDIA passive fiber cable, SMF, MPO12 APC to 2xMPO12 APC, 20m	MP
NDR	N/A	980-9156Q-00N030	MFP7E40-N030	NVIDIA passive fiber cable, SMF, MPO12 APC to 2xMPO12 APC, 30m	MP
NDR	N/A	980-9156R-000050	MFP7E40-N050	NVIDIA passive fiber cable, SMF, MPO12 APC to 2xMPO12 APC, 50m	MP
NDR	N/A	980-91693-00NS00	MMA1Z00-NS400	NVIDIA single port transceiver, 400Gbps,NDR, QSFP112, MPO12 APC, 850nm MMF, up to 50m, flat top	P-Rel

HDR / 200GbE Cables

IB Data Rate	Eth Data Rate	NVIDIA P/N	Legacy P/N	Description	LifeCycle Phase
HDR	NA	980-9I45L-00H150	MFS1S00-H150E	NVIDIA active fiber cable, IB HDR, up to 200Gb/s, QSFP56, LSZH, black pulltab, 150m	EOL [HVM]
HDR	NA	980-9I45O-00H200	MFS1S00-H200E	NVIDIA active fiber cable, IB HDR, up to 200Gb/s, QSFP56, LSZH, black pulltab, 200m	EOL [EVT]
NDR	NA	980-9I068-00NM00	MMS1X00-NS400	NVIDIA single port transceiver, 400Gbps, NDR, QSFP112, MPO, 1310nm SMF, up to 500m, flat top	Early BOM
HDR	200GE	980-9I548-00H001	MCP1650-H001E30	Nvidia Passive Copper cable, up to 200Gbps, QSFP56 to QSFP56, 1m	HVM
HDR	200GE	980-9I549-00H002	MCP1650-H002E26	Nvidia Passive Copper cable, up to 200Gbps, QSFP56 to QSFP56, 2m	HVM
HDR	200GE	980-9I54A-00H00A	MCP1650-H00AE30	Nvidia Passive Copper cable, up to 200Gbps, QSFP56 to QSFP56, 0.5m	HVM
HDR	200GE	980-9I54B-00H01A	MCP1650-H01AE30	Nvidia Passive Copper cable, up to 200Gbps, QSFP56 to QSFP56, 1.5 m	HVM
N/A	200GE	980-9I54C-00V001	MCP1650-V001E30	NVIDIA Passive Copper cable, 200GbE, 200Gb/s, QSFP56, LSZH, 1m, black pulltab, 30AWG	LTB [HVM]
N/A	200GE	980-9I54D-00V002	MCP1650-V002E26	NVIDIA Passive Copper cable, 200GbE, 200Gb/s, QSFP56, LSZH, 2m, black pulltab, 26AWG	LTB [HVM]

IB Data Rate	Eth Data Rate	NVIDIA P/N	Legacy P/N	Description	LifeCycle Phase
N/A	200GE	980-9154G-00V003	MCP1650-V003E26	NVIDIA Passive Copper cable, 200GbE, 200Gb/s, QSFP56, LSZH, 3m, black pulltab, 26AWG	EOL [HVM]
N/A	200GE	980-9154H-00V00A	MCP1650-V00AE30	NVIDIA Passive Copper cable, 200GbE, 200Gb/s, QSFP56, LSZH, 0.5m, black pulltab, 30AWG	LTB [HVM]
N/A	200GE	980-9154I-00V01A	MCP1650-V01AE30	NVIDIA Passive Copper cable, 200GbE, 200Gb/s, QSFP56, LSZH, 1.5m, black pulltab, 30AWG	LTB [HVM]
N/A	200GE	980-9154L-00V02A	MCP1650-V02AE26	NVIDIA Passive Copper cable, 200GbE, 200Gb/s, QSFP56, LSZH, 2.5m, black pulltab, 26AWG	LTB [HVM]
HDR	200GE	980-9139E-00H001	MCP7H50-H001R30	Nvidia Passive copper splitter cable, 200Gbps to 2x100Gbps, QSFP56 to 2xQSFP56, 1m	HVM
HDR	200GE	980-9199F-00H002	MCP7H50-H002R26	Nvidia Passive copper splitter cable, 200Gbps to 2x100Gbps, QSFP56 to 2xQSFP56, 2m	HVM
HDR	200GE	980-9198G-00H01A	MCP7H50-H01AR30	Nvidia Passive copper splitter cable, 200Gbps to 2x100Gbps, QSFP56 to 2xQSFP56, 1.5m	HVM
N/A	200GE	980-9198H-00V001	MCP7H50-V001R30	NVIDIA passive copper hybrid cable, 200GbE 200Gb/s to 2x100Gb/s, QSFP56 to 2xQSFP56, colored, 1m, 30AWG	LTB [HVM]

IB Data Rate	Eth Data Rate	NVIDIA P/N	Legacy P/N	Description	LifeCycle Phase
N/A	200GE	980-9198I-00V002	MCP7H50-V002R26	NVIDIA passive copper hybrid cable, 200GbE 200Gb/s to 2x100Gb/s, QSFP56 to 2xQSFP56, colored, 2m, 26AWG	LTB [HVM]
N/A	200GE	980-9198J-00V003	MCP7H50-V003R26	NVIDIA passive copper hybrid cable, 200GbE 200Gb/s to 2x100Gb/s, QSFP56 to 2xQSFP56, colored, 3m, 26AWG	EOL [HVM]
N/A	200GE	980-9198K-00V01A	MCP7H50-V01AR30	NVIDIA passive copper hybrid cable, 200GbE 200Gb/s to 2x100Gb/s, QSFP56 to 2xQSFP56, colored, 1.5m, 30AWG	EOL [HVM]
N/A	200GE	980-9198M-00V02A	MCP7H50-V02AR26	NVIDIA passive copper hybrid cable, 200GbE 200Gb/s to 2x100Gb/s, QSFP56 to 2xQSFP56, colored, 2.5m, 26AWG	LTB [HVM]
N/A	200GE	980-91A3X-00V001	MCP7H70-V001R30	NVIDIA passive copper hybrid cable, 200GbE 200Gb/s to 4x50Gb/s, QSFP56 to 4xSFP56, colored, 1m, 30AWG	EOL [P-Rel]
N/A	200GE	980-91A3Y-00V002	MCP7H70-V002R26	NVIDIA passive copper hybrid cable, 200GbE 200Gb/s to 4x50Gb/s, QSFP56 to 4xSFP56, colored, 2m, 26AWG	EOL [P-Rel]
N/A	200GE	980-9143Z-00V003	MCP7H70-V003R26	NVIDIA passive copper hybrid cable, 200GbE 200Gb/s to 4x50Gb/s, QSFP56 to 4xSFP56, colored, 3m, 26AWG	EOL [P-Rel]

IB Data Rate	Eth Data Rate	NVIDIA P/N	Legacy P/N	Description	LifeCycle Phase
N/A	200GE	980-91430-00V01A	MCP7H70-V01AR30	NVIDIA passive copper hybrid cable, 200GbE 200Gb/s to 4x50Gb/s, QSFP56 to 4xSFP56, colored, 1.5m, 30AWG	EOL [P-Rel]
N/A	200GE	980-91431-00V02A	MCP7H70-V02AR26	NVIDIA passive copper hybrid cable, 200GbE 200Gb/s to 4x50Gb/s, QSFP56 to 4xSFP56, colored, 2.5m, 26AWG	EOL [P-Rel]
HDR	200GE	980-9146K-00H001	MCP7Y60-H001	NVIDIA passive copper splitter cable, 400(2x200)Gbps to 2x200Gbps, OSFP to 2xQSFP56, 1m, fin to flat	MP
HDR	200GE	980-9146L-00H002	MCP7Y60-H002	NVIDIA passive copper splitter cable, 400(2x200)Gbps to 2x200Gbps, OSFP to 2xQSFP56, 2m, fin to flat	MP
HDR	200GE	980-9193M-00H01A	MCP7Y60-H01A	NVIDIA passive copper splitter cable, 400(2x200)Gbps to 2x200Gbps, OSFP to 2xQSFP56, 1.5m, fin to flat	MP
HDR	200GE	980-9193N-00H001	MCP7Y70-H001	NVIDIA passive copper splitter cable, 400(2x200)Gbps to 4x100Gbps, OSFP to 4xQSFP56, 1m, fin to flat	MP
HDR	200GE	980-9193O-00H002	MCP7Y70-H002	NVIDIA passive copper splitter cable, 400(2x200)Gbps to 4x100Gbps, OSFP to 4xQSFP56, 2m, fin to flat	MP

IB Data Rate	Eth Data Rate	NVIDIA P/N	Legacy P/N	Description	LifeCycle Phase
HDR	200GE	980-9147P-00H01A	MCP7Y70-H01A	NVIDIA passive copper splitter cable, 400(2x200)Gbps to 4x100Gbps, OSFP to 4xQSFP56, 1.5m, fin to flat	MP
HDR	N/A	980-91124-00H003	MFS1S00-H003E	NVIDIA active fiber cable, IB HDR, up to 200Gb/s, QSFP56, LSZH, black pulltab, 3m	EOL [HVM]
HDR	200GE	980-91457-00H003	MFS1S00-H003V	Nvidia active optical cable, up to 200Gbps , QSFP56 to QSFP56, 3m	MP
HDR	N/A	980-9145A-00H005	MFS1S00-H005E	NVIDIA active fiber cable, IB HDR, up to 200Gb/s, QSFP56, LSZH, black pulltab, 5m	EOL [HVM]
HDR	200GE	980-9145D-00H005	MFS1S00-H005V	Nvidia active optical cable, up to 200Gbps , QSFP56 to QSFP56, 5m	MP
HDR	N/A	980-9145G-00H010	MFS1S00-H010E	NVIDIA active fiber cable, IB HDR, up to 200Gb/s, QSFP56, LSZH, black pulltab, 10m	EOL [HVM]
HDR	200GE	980-9145J-00H010	MFS1S00-H010V	Nvidia active optical cable, up to 200Gbps , QSFP56 to QSFP56, 10m	MP
HDR	N/A	980-9145M-00H015	MFS1S00-H015E	NVIDIA active fiber cable, IB HDR, up to 200Gb/s, QSFP56, LSZH, black pulltab, 15m	EOL [HVM]
HDR	200GE	980-9145O-00H015	MFS1S00-H015V	Nvidia active optical cable, up to 200Gbps , QSFP56 to QSFP56, 15m	MP
HDR	N/A	980-9145R-00H020	MFS1S00-H020E	NVIDIA active fiber cable, IB HDR, up to 200Gb/s, QSFP56, LSZH, black pulltab, 20m	EOL [HVM]
HDR	200GE	980-9145T-00H020	MFS1S00-H020V	Nvidia active optical cable, up to 200Gbps , QSFP56 to QSFP56, 20m	MP

IB Data Rate	Eth Data Rate	NVIDIA P/N	Legacy P/N	Description	LifeCycle Phase
HDR	N/A	980-9145Y-00H030	MFS1S00-H030E	NVIDIA active fiber cable, IB HDR, up to 200Gb/s, QSFP56, LSZH, black pulltab, 30m	EOL [HVM]
HDR	200GE	980-91440-00H030	MFS1S00-H030V	Nvidia active optical cable, up to 200Gbps , QSFP56 to QSFP56, 30m	MP
HDR	N/A	980-91455-00H050	MFS1S00-H050E	NVIDIA active fiber cable, IB HDR, up to 200Gb/s, QSFP56, LSZH, black pulltab, 50m	EOL [HVM]
HDR	200GE	980-91447-00H050	MFS1S00-H050V	Nvidia active optical cable, up to 200Gbps , QSFP56 to QSFP56, 50m	MP
HDR	N/A	980-9144G-00H100	MFS1S00-H100E	NVIDIA active fiber cable, IB HDR, up to 200Gb/s, QSFP56, LSZH, black pulltab, 100m	EOL [HVM]
HDR	200GE	980-9144H-00H100	MFS1S00-H100V	Nvidia active optical cable, up to 200Gbps , QSFP56 to QSFP56, 100m	MP
HDR	N/A	980-9144I-00H130	MFS1S00-H130E	NVIDIA active fiber cable, IB HDR, up to 200Gb/s, QSFP56, LSZH, black pulltab, 130m	EOL [HVM]
HDR	200GE	980-9144K-00H130	MFS1S00-H130V	Nvidia active optical cable, up to 200Gbps , QSFP56 to QSFP56, 130m	MP
HDR	200GE	980-9144N-00H150	MFS1S00-H150V	Nvidia active optical cable, up to 200Gbps , QSFP56 to QSFP56, 150m	MP
N/A	200GE	980-9144P-00V003	MFS1S00-V003E	NVIDIA active fiber cable, 200GbE, 200Gb/s, QSFP56, LSZH, black pulltab, 3m	LTB [HVM]
N/A	200GE	980-9145Q-00V005	MFS1S00-V005E	NVIDIA active fiber cable, 200GbE, 200Gb/s, QSFP56, LSZH, black pulltab, 5m	LTB [HVM]

IB Data Rate	Eth Data Rate	NVIDIA P/N	Legacy P/N	Description	LifeCycle Phase
N/A	200GE	980-9145R-00V010	MFS1S00-V010E	NVIDIA active fiber cable, 200GbE, 200Gb/s, QSFP56, LSZH, black pulltab, 10m	LTB [HVM]
N/A	200GE	980-9144S-00V015	MFS1S00-V015E	NVIDIA active fiber cable, 200GbE, 200Gb/s, QSFP56, LSZH, black pulltab, 15m	LTB [HVM]
N/A	200GE	980-9144T-00V020	MFS1S00-V020E	NVIDIA active fiber cable, 200GbE, 200Gb/s, QSFP56, LSZH, black pulltab, 20m	LTB [HVM]
N/A	200GE	980-9144U-00V030	MFS1S00-V030E	NVIDIA active fiber cable, 200GbE, 200Gb/s, QSFP56, LSZH, black pulltab, 30m	LTB [HVM]
N/A	200GE	980-9144V-00V050	MFS1S00-V050E	NVIDIA active fiber cable, 200GbE, 200Gb/s, QSFP56, LSZH, black pulltab, 50m	LTB [HVM]
N/A	200GE	980-9144W-00V100	MFS1S00-V100E	NVIDIA active fiber cable, 200GbE, 200Gb/s, QSFP56, LSZH, black pulltab, 100m	EOL [HVM] [HIBERN/ATE]
HDR	N/A	980-91452-00H003	MFS1S50-H003E	NVIDIA active fiber splitter cable, IB HDR, 200Gb/s to 2x100Gb/s, QSFP56 to 2xQSFP56 , LSZH, 3m	EOL [HVM]
HDR	200GE	980-91445-00H003	MFS1S50-H003V	Nvidia active optical splitter cable, 200Gbps to 2x100Gbps , QSFP56 to 2x QSFP56, 3m	HVM
HDR	N/A	980-91956-00H005	MFS1S50-H005E	NVIDIA active fiber splitter cable, IB HDR, 200Gb/s to 2x100Gb/s, QSFP56 to 2xQSFP56 , LSZH, 5m	EOL [HVM]
HDR	200GE	980-91969-00H005	MFS1S50-H005V	Nvidia active optical splitter cable, 200Gbps to 2x100Gbps , QSFP56 to 2x QSFP56, 5m	HVM

IB Data Rate	Eth Data Rate	NVIDIA P/N	Legacy P/N	Description	LifeCycle Phase
HDR	N/A	980-9195A-00H010	MFS1S50-H010E	NVIDIA active fiber splitter cable, IB HDR, 200Gb/s to 2x100Gb/s, QSFP56 to 2xQSFP56 , LSZH, 10m	EOL [HVM]
HDR	200GE	980-9196D-00H010	MFS1S50-H010V	Nvidia active optical splitter cable, 200Gbps to 2x100Gbps , QSFP56 to 2x QSFP56, 10m	HVM
HDR	N/A	980-9195E-00H015	MFS1S50-H015E	NVIDIA active fiber splitter cable, IB HDR, 200Gb/s to 2x100Gb/s, QSFP56 to 2xQSFP56 , LSZH, 15m	EOL [HVM]
HDR	200GE	980-9196H-00H015	MFS1S50-H015V	Nvidia active optical splitter cable, 200Gbps to 2x100Gbps , QSFP56 to 2x QSFP56, 15m	HVM
HDR	N/A	980-9195I-00H020	MFS1S50-H020E	NVIDIA active fiber splitter cable, IB HDR, 200Gb/s to 2x100Gb/s, QSFP56 to 2xQSFP56 , LSZH, 20m	EOL [HVM]
HDR	200GE	980-9196L-00H020	MFS1S50-H020V	Nvidia active optical splitter cable, 200Gbps to 2x100Gbps , QSFP56 to 2x QSFP56, 20m	HVM
HDR	N/A	980-9195M-00H030	MFS1S50-H030E	NVIDIA active fiber splitter cable, IB HDR, 200Gb/s to 2x100Gb/s, QSFP56 to 2xQSFP56 , LSZH, 30m	EOL [HVM]
HDR	200GE	980-9196P-00H030	MFS1S50-H030V	Nvidia active optical splitter cable, 200Gbps to 2x100Gbps , QSFP56 to 2x QSFP56, 30m	HVM
HDR	200GE	980-9195S-00H040	MFS1S50-H040V	Nvidia active optical splitter cable, 200Gbps to 2x100Gbps , QSFP56 to 2x QSFP56, 40m	Prototype

IB Data Rate	Eth Data Rate	NVIDIA P/N	Legacy P/N	Description	LifeCycle Phase
HDR	200GE	980-9I95T-00H050	MFS1S50-H050V	Nvidia active optical splitter cable, 200Gbps to 2x100Gbps , QSFP56 to 2x QSFP56, 50m	Prototype
N/A	200GE	980-9I95Q-00V003	MFS1S50-V003E	NVIDIA active fiber splitter cable, 200GbE, 200Gb/s to 2x100Gb/s, QSFP56 to 2xQSFP56, LSZH, black pulltab, 3m	EOL [HVM]
N/A	200GE	980-9I96R-00V005	MFS1S50-V005E	NVIDIA active fiber splitter cable, 200GbE, 200Gb/s to 2x100Gb/s, QSFP56 to 2xQSFP56, LSZH, black pulltab, 5m	EOL [HVM]
N/A	200GE	980-9I96S-00V010	MFS1S50-V010E	NVIDIA active fiber splitter cable, 200GbE, 200Gb/s to 2x100Gb/s, QSFP56 to 2xQSFP56, LSZH, black pulltab, 10m	EOL [HVM]
N/A	200GE	980-9I96T-00V015	MFS1S50-V015E	NVIDIA active fiber splitter cable, 200GbE, 200Gb/s to 2x100Gb/s, QSFP56 to 2xQSFP56, LSZH, black pulltab, 15m	EOL [HVM]
N/A	200GE	980-9I95U-00V020	MFS1S50-V020E	NVIDIA active fiber splitter cable, 200GbE, 200Gb/s to 2x100Gb/s, QSFP56 to 2xQSFP56, LSZH, black pulltab, 20m	EOL [HVM]
N/A	200GE	980-9I95V-00V030	MFS1S50-V030E	NVIDIA active fiber splitter cable, 200GbE, 200Gb/s to 2x100Gb/s, QSFP56 to 2xQSFP56, LSZH, black pulltab, 30m	EOL [HVM]

IB Data Rate	Eth Data Rate	NVIDIA P/N	Legacy P/N	Description	LifeCycle Phase
HDR	N/A	980-91961-00H010	MFS1S90-H010E	NVIDIA active fiber splitter cable, IB HDR, 2x200Gb/s to 2x200Gb/s, 2xQSFP56 to 2xQSFP56 , LSZH, 10m	LTB [HVM]
HDR	N/A	980-91423-00H020	MFS1S90-H020E	NVIDIA active fiber splitter cable, IB HDR, 2x200Gb/s to 2x200Gb/s, 2xQSFP56 to 2xQSFP56 , LSZH, 20m	LTB [HVM]
HDR	N/A	980-91424-00H030	MFS1S90-H030E	NVIDIA active fiber splitter cable, IB HDR, 2x200Gb/s to 2x200Gb/s, 2xQSFP56 to 2xQSFP56 , LSZH, 30m	EOL [HVM]
HDR	N/A	980-9117S-00HS00	MMA1T00-HS	NVIDIA transceiver, HDR, QSFP56, MPO, 850nm, SR4, up to 100m	HVM
N/A	200GE	980-9120T-00V000	MMA1T00-VS	NVIDIA transceiver, 200GbE, up to 200Gb/s, QSFP56, MPO, 850nm, SR4, up to 100m	HVM

EDR / 100GbE Cables

IB Data Rate	Eth Data Rate	NVIDIA P/N	Legacy P/N	Description	LifeCycle Phase
N/A	100GE	980-91620-00C001	MCP1600-C001	NVIDIA Passive Copper cable, ETH 100GbE, 100Gb/s, QSFP, PVC, 1m 30AWG	EOL [HVM]
N/A	100GE	980-91620-00C001	MCP1600-C001E30N	NVIDIA Passive Copper cable, ETH 100GbE, 100Gb/s, QSFP28, 1m, Black, 30AWG, CA-N	HVM

IB Data Rate	Eth Data Rate	NVIDIA P/N	Legacy P/N	Description	LifeCycle Phase
N/A	100GE	980-9162S-00C001	MCP1600-C001LZ	NVIDIA Passive Copper Cable, ETH 100GbE, 100Gb/s, QSFP, 1m, LSZH, 30AWG	EOL [MP]
N/A	100GE	980-91621-00C002	MCP1600-C002	NVIDIA Passive Copper cable, ETH 100GbE, 100Gb/s, QSFP, PVC, 2m 30AWG	EOL [HVM]
N/A	100GE	980-91622-00C002	MCP1600-C002E26N	NVIDIA® Passive Copper cable, ETH 100GbE, 100Gb/s, QSFP28, 2m, Black, 26AWG, CA-N	Preliminary
N/A	100GE	980-9162V-00C002	MCP1600-C002E30N	NVIDIA Passive Copper cable, ETH 100GbE, 100Gb/s, QSFP28, 2m, Black, 30AWG, CA-N	HVM
N/A	100GE	980-9162X-00C003	MCP1600-C003	NVIDIA Passive Copper cable, ETH 100GbE, 100Gb/s, QSFP, PVC, 3m 28AWG	EOL [HVM]
N/A	100GE	980-9162Z-00C003	MCP1600-C003E26N	NVIDIA Passive Copper cable, ETH 100GbE, 100Gb/s, QSFP28, 3m, Black, 26AWG, CA-N	EOL [HVM]
N/A	100GE	980-91620-00C003	MCP1600-C003E30L	NVIDIA Passive Copper cable, ETH 100GbE, 100Gb/s, QSFP28, 3m, Black, 30AWG, CA-L	HVM
N/A	100GE	980-91622-00C003	MCP1600-C003LZ	NVIDIA Passive Copper cable, ETH 100GbE, 100Gb/s, QSFP, 3m, LSZH, 26AWG	EOL [MP]
N/A	100GE	980-91625-00C005	MCP1600-C005E26L	NVIDIA Passive Copper cable, ETH 100GbE, 100Gb/s, QSFP28, 5m, Black, 26AWG, CA-L	HVM

IB Data Rate	Eth Data Rate	NVIDIA P/N	Legacy P/N	Description	LifeCycle Phase
N/A	100GE	980-91626-00C00A	MCP1600-C00A	NVIDIA Passive Copper cable, ETH 100GbE, 100Gb/s, QSFP, PVC, 0.5m 30AWG	EOL [HVM]
N/A	100GE	980-91627-00C00A	MCP1600-C00AE30N	NVIDIA Passive Copper cable, ETH 100GbE, 100Gb/s, QSFP28, 0.5m, Black, 30AWG, CA-N	EOL [HVM]
N/A	100GE	980-91629-00C00B	MCP1600-C00BE30N	NVIDIA Passive Copper cable, ETH 100GbE, 100Gb/s, QSFP28, 0.75m, Black, 30AWG, CA-N	EOL [HVM]
N/A	100GE	980-9162B-00C01A	MCP1600-C01A	NVIDIA Passive Copper cable, ETH 100GbE, 100Gb/s, QSFP, PVC, 1.5m 30AWG	EOL [HVM]
N/A	100GE	980-9162C-00C01A	MCP1600-C01AE30N	NVIDIA Passive Copper cable, ETH 100GbE, 100Gb/s, QSFP28, 1.5m, Black, 30AWG, CA-N	HVM
N/A	100GE	980-9162G-00C02A	MCP1600-C02A	NVIDIA Passive Copper cable, ETH 100GbE, 100Gb/s, QSFP, PVC, 2.5m 30AWG	EOL [HVM]
N/A	100GE	980-9162H-00C02A	MCP1600-C02AE26N	NVIDIA Passive Copper cable, ETH 100GbE, 100Gb/s, QSFP28, 2.5m, Black, 26AWG, CA-N	EOL [HVM]
N/A	100GE	980-9162I-00C02A	MCP1600-C02AE30L	NVIDIA Passive Copper cable, ETH 100GbE, 100Gb/s, QSFP28, 2.5m, Black, 30AWG, CA-L	HVM
N/A	100GE	980-9162M-00C03A	MCP1600-C03A	NVIDIA Passive Copper cable, ETH 100GbE, 100Gb/s, QSFP, PVC, 3.5m 26AWG	EOL [P-Rel]

IB Data Rate	Eth Data Rate	NVIDIA P/N	Legacy P/N	Description	LifeCycle Phase
EDR	100GE	980-9162P-00C001	MCP1600-E001	NVIDIA Passive Copper cable, IB EDR, up to 100Gb/s, QSFP, LSZH, 1m 30AWG	EOL [HVM]
EDR	N/A	980-9162Q-00E001	MCP1600-E001E30	NVIDIA Passive Copper cable, IB EDR, up to 100Gb/s, QSFP28, 1m, Black, 30AWG	HVM
EDR	100GE	980-9162S-00C002	MCP1600-E002	NVIDIA Passive Copper cable, IB EDR, up to 100Gb/s, QSFP, LSZH, 2m 28AWG	EOL [HVM]
EDR	N/A	980-9162T-00E002	MCP1600-E002E26	NVIDIA® Passive Copper cable, IB EDR, up to 100Gb/s, QSFP28, 2m, Black, 26AWG	Preliminary
EDR	N/A	980-9162U-00E002	MCP1600-E002E30	NVIDIA Passive Copper cable, IB EDR, up to 100Gb/s, QSFP28, 2m, Black, 30AWG	HVM
EDR	100GE	980-9162V-00C003	MCP1600-E003	NVIDIA Passive Copper cable, IB EDR, up to 100Gb/s, QSFP, LSZH, 3m 26AWG	EOL [HVM]
EDR	N/A	980-9162W-00E003	MCP1600-E003E26	NVIDIA Passive Copper cable, IB EDR, up to 100Gb/s, QSFP28, 3m, Black, 26AWG	HVM
EDR	N/A	980-9162Y-00E004	MCP1600-E004E26	NVIDIA Passive Copper cable, IB EDR, up to 100Gb/s, QSFP28, 4m, Black, 26AWG	EOL [HVM]
EDR	N/A	980-9162Z-00E005	MCP1600-E005E26	NVIDIA Passive Copper cable, IB EDR, up to 100Gb/s, QSFP28, 5m, Black, 26AWG	HVM
EDR	N/A	980-91620-00E00A	MCP1600-E00A	NVIDIA Passive Copper cable, IB EDR, up to 100Gb/s, QSFP, LSZH, 0.5m 30AWG	EOL [HVM]
EDR	N/A	980-91621-00E00A	MCP1600-E00AE30	NVIDIA Passive Copper cable, IB EDR, up to 100Gb/s, QSFP28, 0.5m, Black, 30AWG	EOL [HVM]

IB Data Rate	Eth Data Rate	NVIDIA P/N	Legacy P/N	Description	LifeCycle Phase
EDR	N/A	980-91622-00E00B	MCP1600-E00BE30	NVIDIA Passive Copper cable, IB EDR, up to 100Gb/s, QSFP28, 0.75m, Black, 30AWG	EOL [HVM] [HIBERN/ATE]
EDR	100GE	980-91623-00C01A	MCP1600-E01A	NVIDIA Passive Copper cable, IB EDR, up to 100Gb/s, QSFP, LSZH, 1.5m 30AWG	EOL [HVM]
EDR	N/A	980-91624-00E01A	MCP1600-E01AE30	NVIDIA Passive Copper cable, IB EDR, up to 100Gb/s, QSFP28, 1.5m, Black, 30AWG	HVM
EDR	N/A	980-91625-00E01C	MCP1600-E01BE30	NVIDIA Passive Copper cable, IB EDR, up to 100Gb/s, QSFP28, 1.25m, Black, 30AWG	EOL [HVM] [HIBERN/ATE]
EDR	100GE	980-91626-00C02A	MCP1600-E02A	NVIDIA Passive Copper cable, IB EDR, up to 100Gb/s, QSFP, LSZH, 2.5m 26AWG	EOL [HVM]
EDR	N/A	980-91627-00E02A	MCP1600-E02AE26	NVIDIA Passive Copper cable, IB EDR, up to 100Gb/s, QSFP28, 2.5m, Black, 26AWG	HVM
N/A	100GE	980-91645-00C001	MCP7F00-A001R	NVIDIA passive copper hybrid cable, ETH 100GbE to 4x25GbE, QSFP28 to 4xSFP28, colored pulltabs, 1m, 30AWG	EOL [HVM]
N/A	100GE	980-91486-00C001	MCP7F00-A001R30N	NVIDIA passive copper hybrid cable, ETH 100GbE to 4x25GbE, QSFP28 to 4xSFP28, 1m, Colored, 30AWG, CA-N	LTB [HVM]

IB Data Rate	Eth Data Rate	NVIDIA P/N	Legacy P/N	Description	LifeCycle Phase
N/A	100GE	980-9148A-00C002	MCP7F00-A002R	NVIDIA passive copper hybrid cable, ETH 100GbE to 4x25GbE, QSFP28 to 4xSFP28, colored pulltabs, 2m, 30AWG	EOL [HVM]
N/A	100GE	980-9148B-00C002	MCP7F00-A002R30N	NVIDIA passive copper hybrid cable, ETH 100GbE to 4x25GbE, QSFP28 to 4xSFP28, 2m, Colored, 30AWG, CA-N	LTB [HVM]
N/A	100GE	980-9148G-00C003	MCP7F00-A003R26N	NVIDIA passive copper hybrid cable, ETH 100GbE to 4x25GbE, QSFP28 to 4xSFP28, 3m, Colored, 26AWG, CA-N	EOL [HVM]
N/A	100GE	980-9148H-00C003	MCP7F00-A003R30L	NVIDIA passive copper hybrid cable, ETH 100GbE to 4x25GbE, QSFP28 to 4xSFP28, 3m, Colored, 30AWG, CA-L	LTB [HVM]
N/A	100GE	980-9148J-00C005	MCP7F00-A005R26L	NVIDIA passive copper hybrid cable, ETH 100GbE to 4x25GbE, QSFP28 to 4xSFP28, 5m, Colored, 26AWG, CA-L	LTB [HVM]
N/A	100GE	980-9148M-00C01A	MCP7F00-A01AR	NVIDIA passive copper hybrid cable, ETH 100GbE to 4x25GbE, QSFP28 to 4xSFP28, colored pulltabs, 1.5m, 30AWG	EOL [HVM]
N/A	100GE	980-9148N-00C01A	MCP7F00-A01AR30N	NVIDIA passive copper hybrid cable, ETH 100GbE to 4x25GbE, QSFP28 to 4xSFP28, 1.5m, Colored, 30AWG, CA-N	LTB [HVM]

IB Data Rate	Eth Data Rate	NVIDIA P/N	Legacy P/N	Description	LifeCycle Phase
N/A	100GE	980-9148S-00C02A	MCP7F00-A02AR26N	NVIDIA passive copper hybrid cable, ETH 100GbE to 4x25GbE, QSFP28 to 4xSFP28, 2.5m, Colored, 26AWG, CA-N	EOL [HVM]
N/A	100GE	980-9148T-00C02A	MCP7F00-A02AR30L	NVIDIA passive copper hybrid cable, ETH 100GbE to 4x25GbE, QSFP28 to 4xSFP28, 2.5m, Colored, 30AWG, CA-L	LTB [HVM]
N/A	100GE	980-9148U-00C02A	MCP7F00-A02ARLZ	NVIDIA passive copper hybrid cable, ETH 100GbE to 4x25GbE, QSFP28 to 4xSFP28, 2.5m, LSZH, Colored, 28AWG	EOL [P-Rel]
N/A	100GE	980-9148X-00C03A	MCP7F00-A03AR26L	NVIDIA passive copper hybrid cable, ETH 100GbE to 4x25GbE, QSFP28 to 4xSFP28, 3.5m, Colored, 26AWG, CA-L	EOL [HVM]
N/A	100GE	980-9161C-00C005	MCP7H00-G00000	NVIDIA® passive copper hybrid cable, ETH 100Gb/s to 2x50Gb/s, QSFP28 to 2xQSFP28, 5m, Colored, 26AWG, CA-L	Preliminary
N/A	100GE	980-9161D-00C001	MCP7H00-G001	NVIDIA passive copper hybrid cable, ETH 100Gb/s to 2x50Gb/s, QSFP28 to 2xQSFP28, 1m, 30AWG	EOL [HVM]
N/A	100GE	980-9199F-00C001	MCP7H00-G001R	NVIDIA passive copper hybrid cable, ETH 100Gb/s to 2x50Gb/s, QSFP28 to 2xQSFP28, colored pulltabs, 1m, 30AWG	EOL [HVM]

IB Data Rate	Eth Data Rate	NVIDIA P/N	Legacy P/N	Description	LifeCycle Phase
N/A	100GE	980-9199G-00C001	MCP7H00-G001R30N	NVIDIA passive copper hybrid cable, ETH 100Gb/s to 2x50Gb/s, QSFP28 to 2xQSFP28, 1m, Colored, 30AWG, CA-N	LTB [HVM]
N/A	100GE	980-9199J-00C002	MCP7H00-G002R	NVIDIA passive copper hybrid cable, ETH 100Gb/s to 2x50Gb/s, QSFP28 to 2xQSFP28, colored pulltabs, 2m, 30AWG	EOL [HVM]
N/A	100GE	980-9199K-00C002	MCP7H00-G002R26N	NVIDIA® passive copper hybrid cable, ETH 100Gb/s to 2x50Gb/s, QSFP28 to 2xQSFP28, 2m, Colored, 26AWG, CA-N	Preliminary
N/A	100GE	980-9199L-00C002	MCP7H00-G002R30N	NVIDIA passive copper hybrid cable, ETH 100Gb/s to 2x50Gb/s, QSFP28 to 2xQSFP28, 2m, Colored, 30AWG, CA-N	LTB [HVM]
N/A	100GE	980-9199O-00C003	MCP7H00-G003R	NVIDIA passive copper hybrid cable, ETH 100Gb/s to 2x50Gb/s, QSFP28 to 2xQSFP28, colored pulltabs, 3m, 28AWG	EOL [HVM]
N/A	100GE	980-9199Q-00C003	MCP7H00-G003R26N	NVIDIA passive copper hybrid cable, ETH 100Gb/s to 2x50Gb/s, QSFP28 to 2xQSFP28, 3m, Colored, 26AWG, CA-N	EOL [HVM]
N/A	100GE	980-9139R-00C003	MCP7H00-G003R30L	NVIDIA passive copper hybrid cable, ETH 100Gb/s to 2x50Gb/s, QSFP28 to 2xQSFP28, 3m, Colored, 30AWG, CA-L	LTB [HVM]

IB Data Rate	Eth Data Rate	NVIDIA P/N	Legacy P/N	Description	LifeCycle Phase
N/A	100GE	980-9199S-00C004	MCP7H00-G004R26L	NVIDIA passive copper hybrid cable, ETH 100Gb/s to 2x50Gb/s, QSFP28 to 2xQSFP28, 4m, Colored, 26AWG, CA-L	EOL [HVM]
N/A	100GE	980-9199W-00C01A	MCP7H00-G01AR	NVIDIA passive copper hybrid cable, ETH 100Gb/s to 2x50Gb/s, QSFP28 to 2xQSFP28, colored pulltabs, 1.5m, 30AWG	EOL [HVM]
N/A	100GE	980-9199X-00C01A	MCP7H00-G01AR30N	NVIDIA passive copper hybrid cable, ETH 100Gb/s to 2x50Gb/s, QSFP28 to 2xQSFP28, 1.5m, Colored, 30AWG, CA-N	LTB [HVM]
N/A	100GE	980-91992-00C02A	MCP7H00-G02AR	NVIDIA passive copper hybrid cable, ETH 100Gb/s to 2x50Gb/s, QSFP28 to 2xQSFP28, colored pulltabs, 2.5m, 30AWG	EOL [HVM]
N/A	100GE	980-91994-00C02A	MCP7H00-G02AR26N	NVIDIA passive copper hybrid cable, ETH 100Gb/s to 2x50Gb/s, QSFP28 to 2xQSFP28, 2.5m, Colored, 26AWG, CA-N	EOL [HVM]
N/A	100GE	980-91395-00C02A	MCP7H00-G02AR30L	NVIDIA passive copper hybrid cable, ETH 100Gb/s to 2x50Gb/s, QSFP28 to 2xQSFP28, 2.5m, Colored, 30AWG, CA-L	LTB [HVM]
N/A	100GE	980-9113S-00C003	MFA1A00-C003	NVIDIA active fiber cable, ETH 100GbE, 100Gb/s, QSFP, LSZH, 3m	HVM
N/A	100GE	980-9113X-00C005	MFA1A00-C005	NVIDIA active fiber cable, ETH 100GbE, 100Gb/s, QSFP, LSZH, 5m	HVM

IB Data Rate	Eth Data Rate	NVIDIA P/N	Legacy P/N	Description	LifeCycle Phase
N/A	100GE	980-91134-00C010	MFA1A00-C010	NVIDIA active fiber cable, ETH 100GbE, 100Gb/s, QSFP, LSZH, 10m	HVM
N/A	100GE	980-9113A-00C015	MFA1A00-C015	NVIDIA active fiber cable, ETH 100GbE, 100Gb/s, QSFP, LSZH, 15m	HVM
N/A	100GE	980-9113F-00C020	MFA1A00-C020	NVIDIA active fiber cable, ETH 100GbE, 100Gb/s, QSFP, LSZH, 20m	HVM
N/A	100GE	980-9113N-00C030	MFA1A00-C030	NVIDIA active fiber cable, ETH 100GbE, 100Gb/s, QSFP, LSZH, 30m	HVM
N/A	100GE	980-91130-00C050	MFA1A00-C050	NVIDIA active fiber cable, ETH 100GbE, 100Gb/s, QSFP, LSZH, 50m	HVM
N/A	100GE	980-9113B-00C100	MFA1A00-C100	NVIDIA active fiber cable, ETH 100GbE, 100Gb/s, QSFP, LSZH, 100m	LTB [HVM]
EDR	N/A	980-9113D-00E001	MFA1A00-E001	NVIDIA active fiber cable, IB EDR, up to 100Gb/s, QSFP, LSZH, 1m	HVM
EDR	N/A	980-9113F-00E003	MFA1A00-E003	NVIDIA active fiber cable, IB EDR, up to 100Gb/s, QSFP, LSZH, 3m	HVM
EDR	N/A	980-9113J-00E005	MFA1A00-E005	NVIDIA active fiber cable, IB EDR, up to 100Gb/s, QSFP, LSZH, 5m	HVM
EDR	N/A	980-9113M-00E007	MFA1A00-E007	NVIDIA active fiber cable, IB EDR, up to 100Gb/s, QSFP, LSZH, 7m	LTB [HVM]
EDR	N/A	980-9113O-00E010	MFA1A00-E010	NVIDIA active fiber cable, IB EDR, up to 100Gb/s, QSFP, LSZH, 10m	HVM

IB Data Rate	Eth Data Rate	NVIDIA P/N	Legacy P/N	Description	LifeCycle Phase
EDR	N/A	980-9113S-00E015	MFA1A00-E015	NVIDIA active fiber cable, IB EDR, up to 100Gb/s, QSFP, LSZH, 15m	HVM
EDR	N/A	980-9113V-00E020	MFA1A00-E020	NVIDIA active fiber cable, IB EDR, up to 100Gb/s, QSFP, LSZH, 20m	HVM
EDR	N/A	980-9113Y-00E030	MFA1A00-E030	NVIDIA active fiber cable, IB EDR, up to 100Gb/s, QSFP, LSZH, 30m	HVM
EDR	N/A	980-91133-00E050	MFA1A00-E050	NVIDIA active fiber cable, IB EDR, up to 100Gb/s, QSFP, LSZH, 50m	HVM
EDR	N/A	980-91135-00E100	MFA1A00-E100	NVIDIA active fiber cable, IB EDR, up to 100Gb/s, QSFP, LSZH, 100m	LTB [HVM]
N/A	100GE	980-9137H-00C003	MFA7A20-C003	NVIDIA active fiber hybrid solution, ETH 100GbE to 2x50GbE, QSFP28 to 2xQSFP28, 3m	EOL [HVM]
N/A	100GE	980-9137I-00C005	MFA7A20-C005	NVIDIA active fiber hybrid solution, ETH 100GbE to 2x50GbE, QSFP28 to 2xQSFP28, 5m	EOL [HVM]
N/A	100GE	980-9140J-00C010	MFA7A20-C010	NVIDIA active fiber hybrid solution, ETH 100GbE to 2x50GbE, QSFP28 to 2xQSFP28, 10m	EOL [HVM]
N/A	100GE	980-9140K-00C020	MFA7A20-C020	NVIDIA active fiber hybrid solution, ETH 100GbE to 2x50GbE, QSFP28 to 2xQSFP28, 20m	EOL [HVM]
N/A	100GE	980-9140L-00C002	MFA7A20-C02A	NVIDIA® active fiber hybrid solution, ETH 100GbE to 2x50GbE, QSFP28 to 2xQSFP28, 2.5m	Preliminary

IB Data Rate	Eth Data Rate	NVIDIA P/N	Legacy P/N	Description	LifeCycle Phase
N/A	100GE	980-9140M-00C003	MFA7A20-C03A	NVIDIA® active fiber hybrid solution, ETH 100GbE to 2x50GbE, QSFP28 to 2xQSFP28, 3.5m	Preliminary
N/A	100GE	980-9140N-00C003	MFA7A50-C003	NVIDIA active fiber hybrid solution, ETH 100GbE to 4x25GbE, QSFP28 to 4xSFP28, 3m	EOL [HVM]
N/A	100GE	980-9140O-00C005	MFA7A50-C005	NVIDIA active fiber hybrid solution, ETH 100GbE to 4x25GbE, QSFP28 to 4xSFP28, 5m	EOL [HVM]
N/A	100GE	980-9149P-00C010	MFA7A50-C010	NVIDIA active fiber hybrid solution, ETH 100GbE to 4x25GbE, QSFP28 to 4xSFP28, 10m	EOL [HVM]
N/A	100GE	980-9149Q-00C015	MFA7A50-C015	NVIDIA active fiber hybrid solution, ETH 100GbE to 4x25GbE, QSFP28 to 4xSFP28, 15m	EOL [HVM]
N/A	100GE	980-9149R-00C020	MFA7A50-C020	NVIDIA active fiber hybrid solution, ETH 100GbE to 4x25GbE, QSFP28 to 4xSFP28, 20m	EOL [HVM]
N/A	100GE	980-9149S-00C030	MFA7A50-C030	NVIDIA active fiber hybrid solution, ETH 100GbE to 4x25GbE, QSFP28 to 4xSFP28, 30m	EOL [HVM]
N/A	100GE	980-91149-00CS00	MMA1B00-C100D	NVIDIA transceiver, 100GbE, QSFP28, MPO, 850nm, SR4, up to 100m, DDMI	HVM
N/A	100GE	980-9117D-00CS00	MMA1B00-C100T	NVIDIA® transceiver, 100GbE, QSFP28, MPO, 850nm, up to 100m, OTU4	Preliminary

IB Data Rate	Eth Data Rate	NVIDIA P/N	Legacy P/N	Description	LifeCycle Phase
EDR	N/A	980-9117L-00E000	MMA1B00-E100	NVIDIA transceiver, IB EDR, up to 100Gb/s, QSFP28, MPO, 850nm, SR4, up to 100m	HVM
N/A	100GE	980-9117P-00CR00	MMA1L10-CR	NVIDIA optical transceiver, 100GbE, 100Gb/s, QSFP28, LC-LC, 1310nm, LR4 up to 10km	HVM
N/A	100GE	980-9117Q-00CM00	MMA1L30-CM	NVIDIA optical module, 100GbE, 100Gb/s, QSFP28, LC-LC, 1310nm, CWDM4, up to 2km	MP
N/A	100GE	980-9116X-00C000	MMS1C10-CM	NVIDIA active optical module, 100Gb/s, QSFP, MPO, 1310nm, PSM4, up to 500m	EOL [MP]
N/A	100GE	980-9153X-00C000	SPQ-CE-ER-CDFL-M	40km 100G QSFP28 ER Optical Transceiver	P-Rel
N/A	100GE	980-9163F-00CM00	X65406	NVIDIA® optical module, 100GbE, 100Gb/s, QSFP28, LC-LC, 1310nm, CWDM4, up to 2km	Preliminary

FDR / 56GbE Cables

IB Data Rate	Eth Data Rate	NVIDIA P/N	Legacy P/N	Description	LifeCycle Phase
FDR	56GE	980-91679-00L004	MC2207126-004	NVIDIA passive copper cable, VPI, up to 56Gb/s, QSFP, 4m	EOL [HVM]
FDR	56GE	980-9167A-00L003	MC2207128-003	NVIDIA passive copper cable, VPI, up to 56Gb/s, QSFP, 3m	EOL [HVM]

IB Data Rate	Eth Data Rate	NVIDIA P/N	Legacy P/N	Description	LifeCycle Phase
FDR	56GE	980-9I67C-00L02A	MC2207128-0A2	NVIDIA passive copper cable, VPI, up to 56Gb/s, QSFP, 2.5m	EOL [MP]
FDR	56GE	980-9I67D-00L001	MC2207130-001	NVIDIA passive copper cable, VPI, up to 56Gb/s, QSFP, 1m	EOL [HVM]
FDR	56GE	980-9I67E-00L002	MC2207130-002	NVIDIA passive copper cable, VPI, up to 56Gb/s, QSFP, 2m	EOL [HVM]
FDR	56GE	980-9I67F-00L00A	MC2207130-00A	NVIDIA passive copper cable, VPI, up to 56Gb/s, QSFP, 0.5m	EOL [HVM]
FDR	56GE	980-9I67G-00L01A	MC2207130-0A1	NVIDIA passive copper cable, VPI, up to 56Gb/s, QSFP, 1.5m	EOL [HVM]
FDR	56GE	980-9I15U-00L003	MC220731V-003	NVIDIA active fiber cable, VPI, up to 56Gb/s, QSFP, 3m	EOL [HVM]
FDR	56GE	980-9I15V-00L005	MC220731V-005	NVIDIA active fiber cable, VPI, up to 56Gb/s, QSFP, 5m	EOL [HVM]
FDR	56GE	980-9I15W-00L010	MC220731V-010	NVIDIA active fiber cable, VPI, up to 56Gb/s, QSFP, 10m	EOL [HVM]
FDR	56GE	980-9I15X-00L015	MC220731V-015	NVIDIA active fiber cable, VPI, up to 56Gb/s, QSFP, 15m	EOL [HVM]
FDR	56GE	980-9I15Y-00L020	MC220731V-020	NVIDIA active fiber cable, VPI, up to 56Gb/s, QSFP, 20m	EOL [HVM]
FDR	56GE	980-9I15Z-00L025	MC220731V-025	NVIDIA active fiber cable, VPI, up to 56Gb/s, QSFP, 25m	EOL [HVM]

IB Data Rate	Eth Data Rate	NVIDIA P/N	Legacy P/N	Description	LifeCycle Phase
FDR	56GE	980-91150-00L030	MC220731V-030	NVIDIA active fiber cable, VPI, up to 56Gb/s, QSFP, 30m	EOL [HVM]
FDR	56GE	980-91151-00L040	MC220731V-040	NVIDIA active fiber cable, VPI, up to 56Gb/s, QSFP, 40m	EOL [HVM] [HIBERN/ATE]
FDR	56GE	980-91152-00L050	MC220731V-050	NVIDIA active fiber cable, VPI, up to 56Gb/s, QSFP, 50m	EOL [HVM]
FDR	56GE	980-91153-00L075	MC220731V-075	NVIDIA active fiber cable, VPI, up to 56Gb/s, QSFP, 75m	EOL [HVM]
FDR	56GE	980-91154-00L100	MC220731V-100	NVIDIA active fiber cable, VPI, up to 56Gb/s, QSFP, 100m	EOL [HVM]
FDR	56GE	980-91675-00L001	MCP170L-F001	NVIDIA passive copper cable, VPI, up to 56Gb/s, QSFP, LSZH, 1m	EOL [P-Rel]
FDR	56GE	980-91678-00L00A	MCP170L-F00A	NVIDIA passive copper cable, VPI, up to 56Gb/s, QSFP, LSZH, 0.5m	EOL [P-Rel]
FDR	56GE	980-91679-00L01A	MCP170L-F01A	NVIDIA passive copper cable, VPI, up to 56Gb/s, QSFP, LSZH, 1.5m	EOL [P-Rel] [HIBERN/ATE]
FDR	N/A	980-9117M-00FS00	MMA1B00-F030D	NVIDIA transceiver, FDR, QSFP+, MPO, 850nm, SR4, up to 30m, DDMI	LTB [HVM]

25GbE Cables

IB Data Rate	Eth Data Rate	NVIDIA P/N	Legacy P/N	Description	LifeCycle Phase
NA	25GE	980-9I78I-00A000	MAM1Q00A-QSA28	Mellanox cable module, ETH 25GbE, 100Gb/s to 25Gb/s, QSFP28 to SFP28	HVM
NA	25GE	980-9I63J-00A001	MCP2M00-A001	Mellanox Passive Copper cable, ETH, up to 25Gb/s, SFP28, 1m, 30AWG	EOL [HVM]
NA	25GE	980-9I63L-00A001	MCP2M00-A001E30N	Mellanox Passive Copper cable, ETH, up to 25Gb/s, SFP28, 1m, Black, 30AWG, CA-N	LTB [HVM]
NA	25GE	980-9I63N-00A002	MCP2M00-A002E26N	Mellanox® Passive Copper cable, ETH, up to 25Gb/s, SFP28, 2m, Black, 26AWG, CA-N	Preliminary
NA	25GE	980-9I63O-00A002	MCP2M00-A002E30N	Mellanox Passive Copper cable, ETH, up to 25Gb/s, SFP28, 2m, Black, 30AWG, CA-N	LTB [HVM]
NA	25GE	980-9I63R-00A003	MCP2M00-A003E26N	Mellanox Passive Copper cable, ETH, up to 25Gb/s, SFP28, 3m, Black, 26AWG, CA-N	EOL [HVM]
NA	25GE	980-9I63S-00A003	MCP2M00-A003E30L	Mellanox Passive Copper cable, ETH, up to 25Gb/s, SFP28, 3m, Black, 30AWG, CA-L	LTB [HVM]
NA	25GE	980-9I63T-00A004	MCP2M00-A004E26L	Mellanox Passive Copper cable, ETH, up to 25Gb/s, SFP28, 4m, Black, 26AWG, CA-L	EOL [HVM]
NA	25GE	980-9I63V-00A005	MCP2M00-A005E26L	Mellanox Passive Copper cable, ETH, up to 25Gb/s, SFP28, 5m, Black, 26AWG, CA-L	LTB [HVM]

IB Data Rate	Eth Data Rate	NVIDIA P/N	Legacy P/N	Description	LifeCycle Phase
NA	25GE	980-9I63W-00A00A	MCP2M00-A00A	Mellanox Passive Copper cable, ETH, up to 25Gb/s, SFP28, 0.5m, 30AWG	EOL [HVM]
NA	25GE	980-9I63X-00A00A	MCP2M00-A00AE30N	Mellanox Passive Copper cable, ETH, up to 25Gb/s, SFP28, 0.5m, Black, 30AWG, CA-N	EOL [HVM]
NA	25GE	980-9I63Z-00A01A	MCP2M00-A01AE30N	Mellanox Passive Copper cable, ETH, up to 25Gb/s, SFP28, 1.5m, Black, 30AWG, CA-N	LTB [HVM]
NA	25GE	980-9I631-00A02A	MCP2M00-A02AE26N	Mellanox Passive Copper cable, ETH, up to 25Gb/s, SFP28, 2.5m, Black, 26AWG, CA-N	EOL [HVM]
NA	25GE	980-9I632-00A02A	MCP2M00-A02AE30L	Mellanox Passive Copper cable, ETH, up to 25Gb/s, SFP28, 2.5m, Black, 30AWG, CA-L	LTB [HVM]
NA	25GE	980-9IA1T-00A003	MFA2P10-A003	Mellanox active optical cable 25GbE, SFP28, 3m	EOL [HVM]
NA	25GE	980-9I53W-00A005	MFA2P10-A005	Mellanox active optical cable 25GbE, SFP28, 5m	EOL [HVM]
NA	25GE	980-9I53Z-00A007	MFA2P10-A007	Mellanox active optical cable 25GbE, SFP28, 7m	EOL [HVM]
NA	25GE	980-9I532-00A010	MFA2P10-A010	Mellanox active optical cable 25GbE, SFP28, 10m	EOL [HVM]
NA	25GE	980-9I535-00A015	MFA2P10-A015	Mellanox active optical cable 25GbE, SFP28, 15m	EOL [HVM]
NA	25GE	980-9I536-00A020	MFA2P10-A020	Mellanox active optical cable 25GbE, SFP28, 20m	EOL [HVM]
NA	25GE	980-9I539-00A030	MFA2P10-A030	Mellanox active optical cable 25GbE, SFP28, 30m	EOL [HVM]

IB Data Rate	Eth Data Rate	NVIDIA P/N	Legacy P/N	Description	LifeCycle Phase
NA	25GE	980-9I53A-00A050	MFA2P10-A050	Mellanox active optical cable 25GbE, SFP28, 50m	EOL [HVM]
NA	25GE	980-9I094-00AR00	MMA2L20-AR	Mellanox optical transceiver, 25GbE, 25Gb/s, SFP28, LC-LC, 1310nm, LR up to 10km	MP
NA	25GE	980-9I595-00AM00	MMA2P00-AS	Mellanox transceiver, 25GbE, SFP28, LC-LC, 850nm, SR	HVM

10GbE Cables

IB Data Rate	Eth Data Rate	NVIDIA P/N	Legacy P/N	Description	LifeCycle Phase
N/A	10GE	980-9I71G-00J000	MAM1Q00A-QSA	NVIDIA cable module, ETH 10GbE, 40Gb/s to 10Gb/s, QSFP to SFP+	HVM
N/A	10GE	980-9I65P-00J005	MC2309124-005	NVIDIA passive copper hybrid cable, ETH 10GbE, 10Gb/s, QSFP to SFP+, 5m	EOL [P-Rel]
N/A	10GE	980-9I65Q-00J007	MC2309124-007	NVIDIA passive copper hybrid cable, ETH 10GbE, 10Gb/s, QSFP to SFP+, 7m	EOL [P-Rel]
N/A	10GE	980-9I65R-00J001	MC2309130-001	NVIDIA passive copper hybrid cable, ETH 10GbE, 10Gb/s, QSFP to SFP+, 1m	EOL [HVM]
N/A	10GE	980-9I65S-00J002	MC2309130-002	NVIDIA passive copper hybrid cable, ETH 10GbE, 10Gb/s, QSFP to SFP+, 2m	EOL [HVM]
N/A	10GE	980-9I65T-00J003	MC2309130-003	NVIDIA passive copper hybrid cable, ETH 10GbE, 10Gb/s, QSFP to SFP+, 3m	EOL [HVM]

IB Data Rate	Eth Data Rate	NVIDIA P/N	Legacy P/N	Description	LifeCycle Phase
N/A	10GE	980-9165U-00J00A	MC2309130-00A	NVIDIA passive copper hybrid cable, ETH 10GbE, 10Gb/s, QSFP to SFP+, 0.5m	EOL [HVM] [HIBERN/ATE]
N/A	10GE	980-91682-00J004	MC3309124-004	NVIDIA passive copper cable, ETH 10GbE, 10Gb/s, SFP+, 4m	EOL [HVM]
N/A	10GE	980-91683-00J005	MC3309124-005	NVIDIA passive copper cable, ETH 10GbE, 10Gb/s, SFP+, 5m	EOL [HVM]
N/A	10GE	980-91684-00J006	MC3309124-006	NVIDIA passive copper cable, ETH 10GbE, 10Gb/s, SFP+, 6m	EOL [HVM]
N/A	10GE	980-91685-00J007	MC3309124-007	NVIDIA passive copper cable, ETH 10GbE, 10Gb/s, SFP+, 7m	EOL [HVM]
N/A	10GE	980-91686-00J001	MC3309130-001	NVIDIA passive copper cable, ETH 10GbE, 10Gb/s, SFP+, 1m	EOL [HVM]
N/A	10GE	980-91688-00J002	MC3309130-002	NVIDIA passive copper cable, ETH 10GbE, 10Gb/s, SFP+, 2m	EOL [HVM]
N/A	10GE	980-9168B-00J003	MC3309130-003	NVIDIA passive copper cable, ETH 10GbE, 10Gb/s, SFP+, 3m	EOL [HVM]
N/A	10GE	980-9168F-00J00A	MC3309130-00A	NVIDIA passive copper cable, ETH 10GbE, 10Gb/s, SFP+, 0.5m	EOL [HVM]
N/A	10GE	980-9168G-00J01A	MC3309130-0A1	NVIDIA passive copper cable, ETH 10GbE, 10Gb/s, SFP+, 1.5m	EOL [HVM]
N/A	10GE	980-9168H-00J02A	MC3309130-0A2	NVIDIA passive copper cable, ETH 10GbE, 10Gb/s, SFP+, 2.5m	EOL [HVM]

IB Data Rate	Eth Data Rate	NVIDIA P/N	Legacy P/N	Description	LifeCycle Phase
N/A	10GE	980-9168B-00J002	MCP2100-X002B	NVIDIA passive copper cable, ETH 10GbE, 10Gb/s, SFP+, 2m, Blue Pulltab, Connector Label	EOL [HVM] [HIBERN/ATE]
N/A	10GE	980-9168C-00J003	MCP2100-X003B	NVIDIA passive copper cable, ETH 10GbE, 10Gb/s, SFP+, 3m, Blue Pulltab, Connector Label	EOL [HVM]
N/A	10GE	980-9168E-00J001	MCP2104-X001B	NVIDIA passive copper cable, ETH 10GbE, 10Gb/s, SFP+, 1m, Black Pulltab, Connector Label	EOL [HVM] [HIBERN/ATE]
N/A	10GE	980-9168F-00J002	MCP2104-X002B	NVIDIA passive copper cable, ETH 10GbE, 10Gb/s, SFP+, 2m, Black Pulltab, Connector Label	EOL [HVM]
N/A	10GE	980-9168G-00J003	MCP2104-X003B	NVIDIA passive copper cable, ETH 10GbE, 10Gb/s, SFP+, 3m, Black Pulltab, Connector Label	EOL [HVM]
N/A	10GE	980-9168H-00J01A	MCP2104-X01AB	NVIDIA passive copper cable, ETH 10GbE, 10Gb/s, SFP+, 1.5m, Black Pulltab, Connector Label	EOL [HVM]
N/A	10GE	980-9168I-00J02A	MCP2104-X02AB	NVIDIA passive copper cable, ETH 10GbE, 10Gb/s, SFP+, 2.5m, Black Pulltab, Connector Label	EOL [HVM]
N/A	10GE	930-90000-0000-343	MFM1T02A-LR	NVIDIA SFP+ optical module for 10GBASE-LR	HVM
N/A	10GE	930-90000-0000-409	MFM1T02A-SR	NVIDIA SFP+ optical module for 10GBASE-SR	HVM

1GbE Cables

IB Data Rate	Eth Data Rate	NVIDIA P/N	Legacy P/N	Description	LifeCycle Phase
N/A	1GE	980-91270-00IM00	MC3208011-SX	NVIDIA Optical module, ETH 1GbE, 1Gb/s, SFP, LC-LC, SX 850nm, up to 500m	EOL [P-Rel]
N/A	1GE	980-91251-00IS00	MC3208411-T	NVIDIA module, ETH 1GbE, 1Gb/s, SFP, Base-T, up to 100m	HVM

Supported 3rd Party Cables and Modules

Speed	Cable OPN	Description
800GbE	RTXM600-710	800G OSFP to 2x400G QSFP112 AOC (OSFP rev 113.5.0, QSFP rev 6.0.0)
800GbE	DME8821-EC30	OSFP to 2xQSFP112 AOC 800Gb/s to 2x400Gb/s Active Optical Cable (OSFP rev 0.1.0, QSFP rev 32.1.0)
800GbE	C-OSG8CNSxxx-N00	800G OSFP DR8 to 2x400G QSFP112 DR4 AOC
400GbE	CTF4XFR4CS1-01	QSFP_CMIS ,400G-FR4 ,Optical Module (separated), 1310 nm EML, FW: 0.9.0
400GbE	AQQLBCQ4EDLA1729	QSFP112 400G FR4 Transceiver
400GbE	T-GQ4CNT-N00	Innolight 400G QSFP 112 FR4 Transceiver, Duplex LC Interface, 4 CWDM Lanes, up to 2km, Pull Tab
400GbE	C-DQF8FNMxxx-N00	QSFP-DD to 2 x QSFP56 active optical cable with full real-time digital diagnostic monitoring (Rev 1A)
400GbE	FCBN950QE1C05	400G-2x200G split 5M AOC cables (400G QSFP-DD breaking out to 2x 200G QSFP56) (Rev A0)
400GbE	RTXM600-610	400G QSFP-DDtoQSFP112AOC (Rev 01)
400GbE	C-GD4CNS010-N00	InnoLight 400G QSFP112 to 400G QSFP-DD active optical cable with full real-time digital diagnostic monitoring (Rev 1A)

Speed	Cable OPN	Description
400GbE	DME8811-EC07	400G-2x200G split 7M AOC cables (400G QSFP-DD breaking out to 2x 200G QSFP56) (Rev 12)
400GbE	RTXM500-910	400G-2x200G split 10M AOC cables (400G QSFP-DD breaking out to 2x 200G QSFP56) (Rev 10)
200GbE	QSFP-200-CU3M	200G QSFP56 to QSFP56 Passive Copper Cable, 3m
200GbE	T-GP2CNH-NR0	InnoLight 200G QSFP112 DR2 transceiver, MPO-12 connector, 2 Parallel Lanes, up to 500m, Pull tab
200GbE	TR-HM4M085V-CF21	200G QSFP112 VR2
200GbE	RTXM600-338-R0	200G QSFP112 VR2 V1.0
200GbE	RTXM500-301-F1	200G QSFP56 SR4 100m Optical Transceiver
200GbE	RTXM500-905	400G-2x200G split 5M AOC cables (400G QSFP-DD breaking out to 2x 200G QSFP56) (Rev C0)
100GbE	1AT-3Q4M01XX-12A	O-NET QSFP28 100G Active cable/module
100GbE	AQPMANQ4EDMA0784	QSFP28 100G SMF 500m Transceiver
100GbE	CAB-Q-Q-100G-3M	Passive 3 meter, QSFP+ to QSFP+ QSFP100 TWINAX 103.125Gbps-CR4
100GbE	CAB-Q-Q-100GbE-3M	Passive 3 meter , QSFP+ to QSFP+ QSFP100 TWINAX 103.125Gbps-CR4
100GbE	FCBN425QE1C30-C1	100GbE Quadwire® QSFP28 Active Optical Cable 30M
100GbE	FTLC1151RDPL	TRANSCIEVER 100GBE QSFP LR4
100GbE	FTLC9152RGPL	100G 100M QSFP28 SWDM4 OPT TRANS
100GbE	FTLC9555REPM3-E6	100m Parallel MMF 100GQSFP28Optical Transceiver
100GbE	NDAAFJ-C102	SF-NDAAFJ100G-005M
100GbE	QSFP-100G-AOC30M	30m (98ft) Cisco QSFP-100G-AOC30M Compatible 100G QSFP28 Active Optical Cable
100GbE	QSFP28-LR4-AJ	CISCO-PRE 100GbE LR4 QSFP28 Transceiver Module
100GbE	QSFP-40/100-SRBD	CISCO-PRE 100G AOM BiDi
100GbE	SQF1002L4LNC101P	Cisco-SUMITOMO 100GbE AOM
40GbE	2231254-2	Cisco 3m 40GbE copper
40GbE	AFBR-7QER15Z-CS1	Cisco 40GbE 15m AOC

Speed	Cable OPN	Description
40GbE	BN-QS-SP-CBL-5M	PASSIVE COPPER SPLITTER CABLE ETH 40GBE TO 4X10GBE 5M
40GbE	NDCCGJ-C402	15m (49ft) Avago AFBR-7QER15Z Compatible 40G QSFP+ Active Optical Cable
40GbE	QSFP-40G-SR-BD	Cisco 40GBASE-SR-BiDi, duplex MMF

Supported Cables and Modules for BlueField-2

Cables Lifecycle Legend

Lifecycle Phase	Definition
EOL	End of Life
LTB	Last Time Buy
HVM	GA level
MP	GA level
P-Rel	GA level
Preliminary	Engineering Sample
Prototype	Engineering Sample

NDR Cables

IB Data Rate	Eth Data Rate	NVIDIA SKU	Legacy P/N	Description	LifeCycle Phase
NDR	400GE	980-91068-00NM00	MMS1X00-NS400	NVIDIA single port transceiver, 400Gbps, NDR, QSFP112, MPO, 1310nm SMF, up to 500m, flat top	Early BOM

IB Data Rate	Eth Data Rate	NVIDIA SKU	Legacy P/N	Description	LifeCycle Phase
NDR	NA	980-9I81B-00N004	MCA7J65-N004	NVIDIA Active copper splitter cable, IB twin port NDR 800Gb/s to 2x400Gb/s, OSFP to 2xQSFP112, 4m	P-Rel
NDR	NA	980-9I81C-00N005	MCA7J65-N005	NVIDIA Active copper splitter cable, IB twin port NDR 800Gb/s to 2x400Gb/s, OSFP to 2xQSFP112, 5m	P-Rel
NDR	NA	980-9I76G-00N004	MCA7J75-N004	NVIDIA Active copper splitter cable, IB twin port NDR 800Gb/s to 4x200Gb/s, OSFP to 4xQSFP112, 4m	P-Rel
NDR	NA	980-9I76H-00N005	MCA7J75-N005	NVIDIA Active copper splitter cable, IB twin port NDR 800Gb/s to 4x200Gb/s, OSFP to 4xQSFP112, 5m	P-Rel
NDR	NA	980-9I928-00N001	MCP7Y10-N001	NVIDIA passive copper splitter cable, 800(2x400)Gbps to 2x400Gbps, OSFP to 2xQSFP112, 1m, fin to flat	P-Rel
NDR	NA	980-9I929-00N002	MCP7Y10-N002	NVIDIA passive copper splitter cable, 800(2x400)Gbps to 2x400Gbps, OSFP to 2xQSFP112, 2m, fin to flat	P-Rel
NDR	NA	980-9I80P-00N003	MCP7Y10-N003	NVIDIA passive copper splitter cable, 800(2x400)Gbps to 2x400Gbps, OSFP to 2xQSFP112, 3m, fin to flat	P-Rel
NDR	NA	980-9I80A-00N01A	MCP7Y10-N01A	NVIDIA passive copper splitter cable, 800(2x400)Gbps to 2x400Gbps, OSFP to 2xQSFP112, 1.5m, fin to flat	P-Rel
NDR	NA	980-9I80Q-00N02A	MCP7Y10-N02A	NVIDIA passive copper splitter cable, 800(2x400)Gbps to 2x400Gbps, OSFP to 2xQSFP112, 2.5m, fin to flat	P-Rel

IB Data Rate	Eth Data Rate	NVIDIA SKU	Legacy P/N	Description	LifeCycle Phase
NDR	NA	980-9I80B-00N001	MCP7Y40-N001	NVIDIA passive copper splitter cable, 800(2x400)Gbps to 4x200Gbps, OSFP to 4xQSFP112, 1m, fin to flat	P-Rel
NDR	NA	980-9I80C-00N002	MCP7Y40-N002	NVIDIA passive copper splitter cable, 800(2x400)Gbps to 4x200Gbps, OSFP to 4xQSFP112, 2m, fin to flat	P-Rel
NDR	NA	980-9I75R-00N003	MCP7Y40-N003	NVIDIA passive copper splitter cable, 800(2x400)Gbps to 4x200Gbps, OSFP to 4xQSFP112, 3m, fin to flat	P-Rel
NDR	NA	980-9I75D-00N01A	MCP7Y40-N01A	NVIDIA passive copper splitter cable, 800(2x400)Gbps to 4x200Gbps, OSFP to 4xQSFP112, 1.5m, fin to flat	P-Rel
NDR	NA	980-9I75S-00N02A	MCP7Y40-N02A	NVIDIA passive copper splitter cable, 800(2x400)Gbps to 4x200Gbps, OSFP to 4xQSFP112, 2.5m, fin to flat	P-Rel
NDR	NA	980-9I73U-000003	MFP7E10-N003	NVIDIA passive fiber cable, MMF, MPO12 APC to MPO12 APC, 3m	MP
NDR	NA	980-9I73V-000005	MFP7E10-N005	NVIDIA passive fiber cable, MMF, MPO12 APC to MPO12 APC, 5m	MP
NDR	NA	980-9I57W-000007	MFP7E10-N007	NVIDIA passive fiber cable, MMF, MPO12 APC to MPO12 APC, 7m	MP
NDR	NA	980-9I57X-00N010	MFP7E10-N010	NVIDIA passive fiber cable, MMF, MPO12 APC to MPO12 APC, 10m	MP
NDR	NA	980-9I57Y-000015	MFP7E10-N015	NVIDIA passive fiber cable, MMF, MPO12 APC to MPO12 APC, 15m	MP

IB Data Rate	Eth Data Rate	NVIDIA SKU	Legacy P/N	Description	LifeCycle Phase
NDR	NA	980-9I57Z-000020	MFP7E10-N020	NVIDIA passive fiber cable, MMF, MPO12 APC to MPO12 APC, 20m	MP
NDR	NA	980-9I573-00N025	MFP7E10-N025	NVIDIA passive fiber cable, MMF, MPO12 APC to MPO12 APC, 25m	MP
NDR	NA	980-9I570-00N030	MFP7E10-N030	NVIDIA passive fiber cable, MMF, MPO12 APC to MPO12 APC, 30m	MP
NDR	NA	980-9I570-00N035	MFP7E10-N035	NVIDIA passive fiber cable, MMF, MPO12 APC to MPO12 APC, 35m	MP
NDR	NA	980-9I570-00N040	MFP7E10-N040	NVIDIA passive fiber cable, MMF, MPO12 APC to MPO12 APC, 40m	MP
NDR	NA	980-9I57Y-00N050	MFP7E10-N050	NVIDIA passive fiber cable, MMF, MPO12 APC to MPO12 APC, 50m	MP
NDR	NA	980-9I571-00N003	MFP7E20-N003	NVIDIA passive fiber cable, MMF, MPO12 APC to 2xMPO12 APC, 3m	MP
NDR	NA	980-9I572-00N005	MFP7E20-N005	NVIDIA passive fiber cable, MMF, MPO12 APC to 2xMPO12 APC, 5m	MP
NDR	NA	980-9I573-00N007	MFP7E20-N007	NVIDIA passive fiber cable, MMF, MPO12 APC to 2xMPO12 APC, 7m	MP
NDR	NA	980-9I554-00N010	MFP7E20-N010	NVIDIA passive fiber cable, MMF, MPO12 APC to 2xMPO12 APC, 10m	MP
NDR	NA	980-9I555-00N015	MFP7E20-N015	NVIDIA passive fiber cable, MMF, MPO12 APC to 2xMPO12 APC, 15m	MP

IB Data Rate	Eth Data Rate	NVIDIA SKU	Legacy P/N	Description	LifeCycle Phase
NDR	NA	980-9I556-00N020	MFP7E20-N020	NVIDIA passive fiber cable, MMF, MPO12 APC to 2xMPO12 APC, 20m	MP
NDR	NA	980-9I557-00N030	MFP7E20-N030	NVIDIA passive fiber cable, MMF, MPO12 APC to 2xMPO12 APC, 30m	MP
NDR	NA	980-9I55Z-00N050	MFP7E20-N050	NVIDIA passive fiber cable, MMF, MPO12 APC to 2xMPO12 APC, 50m	MP
NDR	NA	980-9I559-00N002	MFP7E30-N002	NVIDIA passive fiber cable, SMF, MPO12 APC to MPO12 APC, 2m	LTB [MP]
NDR	NA	980-9I55A-00N003	MFP7E30-N003	NVIDIA passive fiber cable, SMF, MPO12 APC to MPO12 APC, 3m	MP
NDR	NA	980-9I55B-00N005	MFP7E30-N005	NVIDIA passive fiber cable, SMF, MPO12 APC to MPO12 APC, 5m	MP
NDR	NA	980-9I58C-00N007	MFP7E30-N007	NVIDIA passive fiber cable, SMF, MPO12 APC to MPO12 APC, 7m	MP
NDR	NA	980-9I58D-00N010	MFP7E30-N010	NVIDIA passive fiber cable, SMF, MPO12 APC to MPO12 APC, 10m	MP
NDR	NA	980-9I58E-00N015	MFP7E30-N015	NVIDIA passive fiber cable, SMF, MPO12 APC to MPO12 APC, 15m	MP
NDR	NA	980-9I58F-00N020	MFP7E30-N020	NVIDIA passive fiber cable, SMF, MPO12 APC to MPO12 APC, 20m	MP
NDR	NA	980-9I58G-00N030	MFP7E30-N030	NVIDIA passive fiber cable, SMF, MPO12 APC to MPO12 APC, 30m	MP

IB Data Rate	Eth Data Rate	NVIDIA SKU	Legacy P/N	Description	LifeCycle Phase
NDR	NA	980-9I580-00N030	MFP7E30-N040	NVIDIA passive fiber cable, SMF, MPO12 APC to MPO12 APC, 40m	MP
NDR	NA	980-9I58H-00N050	MFP7E30-N050	NVIDIA passive fiber cable, SMF, MPO12 APC to MPO12 APC, 50m	MP
NDR	NA	980-9I581-00N050	MFP7E30-N060	NVIDIA passive fiber cable, SMF, MPO12 APC to MPO12 APC, 60m	MP
NDR	NA	980-9I582-00N050	MFP7E30-N070	NVIDIA passive fiber cable, SMF, MPO12 APC to MPO12 APC, 70m	MP
NDR	NA	980-9I58I-00N100	MFP7E30-N100	NVIDIA passive fiber cable, SMF, MPO12 APC to MPO12 APC, 100m	MP
NDR	NA	980-9I58J-00N150	MFP7E30-N150	NVIDIA passive fiber cable, SMF, MPO12 APC to MPO12 APC, 150m	MP
NDR	NA	980-9I58K-00N003	MFP7E40-N003	NVIDIA passive fiber cable, SMF, MPO12 APC to 2xMPO12 APC, 3m	MP
NDR	NA	980-9I58L-00N005	MFP7E40-N005	NVIDIA passive fiber cable, SMF, MPO12 APC to 2xMPO12 APC, 5m	MP
NDR	NA	980-9I58M-00N007	MFP7E40-N007	NVIDIA passive fiber cable, SMF, MPO12 APC to 2xMPO12 APC, 7m	MP
NDR	NA	980-9I58N-00N010	MFP7E40-N010	NVIDIA passive fiber cable, SMF, MPO12 APC to 2xMPO12 APC, 10m	MP
NDR	NA	980-9I560-00N015	MFP7E40-N015	NVIDIA passive fiber cable, SMF, MPO12 APC to 2xMPO12 APC, 15m	MP

IB Data Rate	Eth Data Rate	NVIDIA SKU	Legacy P/N	Description	LifeCycle Phase
NDR	NA	980-9I56P-00N020	MFP7E40-N020	NVIDIA passive fiber cable, SMF, MPO12 APC to 2xMPO12 APC, 20m	MP
NDR	NA	980-9I56Q-00N030	MFP7E40-N030	NVIDIA passive fiber cable, SMF, MPO12 APC to 2xMPO12 APC, 30m	MP
NDR	NA	980-9I56R-000050	MFP7E40-N050	NVIDIA passive fiber cable, SMF, MPO12 APC to 2xMPO12 APC, 50m	MP
NDR	NA	980-9I693-00NS00	MMA1Z00-NS400	NVIDIA single port transceiver, 400Gbps,NDR, QSFP112, MPO12 APC, 850nm MMF, up to 50m, flat top	P-Rel

HDR / 200GbE Cables

IB Data Rate	Eth Data Rate	NVIDIA SKU	Legacy P/N	Description	LifeCycle Phase
HDR	200GE	980-9I548-00H001	MCP1650-H001E30	Nvidia Passive Copper cable, up to 200Gbps, QSFP56 to QSFP56, 1m	HVM
HDR	200GE	980-9I549-00H002	MCP1650-H002E26	Nvidia Passive Copper cable, up to 200Gbps, QSFP56 to QSFP56, 2m	HVM
HDR	200GE	980-9I54A-00H00A	MCP1650-H00AE30	Nvidia Passive Copper cable, up to 200Gbps, QSFP56 to QSFP56, 0.5m	HVM
HDR	200GE	980-9I54B-00H01A	MCP1650-H01AE30	Nvidia Passive Copper cable, up to 200Gbps, QSFP56 to QSFP56, 1.5 m	HVM
HDR	200GE	980-9I39E-00H001	MCP7H50-H001R30	Nvidia Passive copper splitter cable, 200Gbps to 2x100Gbps, QSFP56 to 2xQSFP56, 1m	HVM

IB Data Rate	Eth Data Rate	NVIDIA SKU	Legacy P/N	Description	LifeCycle Phase
HDR	200GE	980-9I99F-00H002	MCP7H50-H002R26	Nvidia Passive copper splitter cable, 200Gbps to 2x100Gbps, QSFP56 to 2xQSFP56, 2m	HVM
HDR	200GE	980-9I98G-00H01A	MCP7H50-H01AR30	Nvidia Passive copper splitter cable, 200Gbps to 2x100Gbps, QSFP56 to 2xQSFP56, 1.5m	HVM
HDR	200GE	980-9I46K-00H001	MCP7Y60-H001	NVIDIA passive copper splitter cable, 400(2x200)Gbps to 2x200Gbps, OSFP to 2xQSFP56, 1m, fin to flat	MP
HDR	200GE	980-9I46L-00H002	MCP7Y60-H002	NVIDIA passive copper splitter cable, 400(2x200)Gbps to 2x200Gbps, OSFP to 2xQSFP56, 2m, fin to flat	MP
HDR	200GE	980-9I93M-00H01A	MCP7Y60-H01A	NVIDIA passive copper splitter cable, 400(2x200)Gbps to 2x200Gbps, OSFP to 2xQSFP56, 1.5m, fin to flat	MP
HDR	200GE	980-9I93N-00H001	MCP7Y70-H001	NVIDIA passive copper splitter cable, 400(2x200)Gbps to 4x100Gbps, OSFP to 4xQSFP56, 1m, fin to flat	MP
HDR	200GE	980-9I93O-00H002	MCP7Y70-H002	NVIDIA passive copper splitter cable, 400(2x200)Gbps to 4x100Gbps, OSFP to 4xQSFP56, 2m, fin to flat	MP
HDR	200GE	980-9I47P-00H01A	MCP7Y70-H01A	NVIDIA passive copper splitter cable, 400(2x200)Gbps to 4x100Gbps, OSFP to 4xQSFP56, 1.5m, fin to flat	MP
HDR	NA	980-9I124-00H003	MFS1S00-H003E	NVIDIA active fiber cable, IB HDR, up to 200Gb/s, QSFP56, LSZH, black pulltab, 3m	EOL [HVM]
HDR	200GE	980-9I457-00H003	MFS1S00-H003V	Nvidia active optical cable, up to 200Gbps , QSFP56 to QSFP56, 3m	MP

IB Data Rate	Eth Data Rate	NVIDIA SKU	Legacy P/N	Description	LifeCycle Phase
HDR	NA	980-9I45A-00H005	MFS1S00-H005E	NVIDIA active fiber cable, IB HDR, up to 200Gb/s, QSFP56, LSZH, black pulltab, 5m	EOL [HVM]
HDR	200GE	980-9I45D-00H005	MFS1S00-H005V	Nvidia active optical cable, up to 200Gbps , QSFP56 to QSFP56, 5m	MP
HDR	NA	980-9I45G-00H010	MFS1S00-H010E	NVIDIA active fiber cable, IB HDR, up to 200Gb/s, QSFP56, LSZH, black pulltab, 10m	EOL [HVM]
HDR	200GE	980-9I45J-00H010	MFS1S00-H010V	Nvidia active optical cable, up to 200Gbps , QSFP56 to QSFP56, 10m	MP
HDR	NA	980-9I45M-00H015	MFS1S00-H015E	NVIDIA active fiber cable, IB HDR, up to 200Gb/s, QSFP56, LSZH, black pulltab, 15m	EOL [HVM]
HDR	200GE	980-9I45O-00H015	MFS1S00-H015V	Nvidia active optical cable, up to 200Gbps , QSFP56 to QSFP56, 15m	MP
HDR	NA	980-9I45R-00H020	MFS1S00-H020E	NVIDIA active fiber cable, IB HDR, up to 200Gb/s, QSFP56, LSZH, black pulltab, 20m	EOL [HVM]
HDR	200GE	980-9I45T-00H020	MFS1S00-H020V	Nvidia active optical cable, up to 200Gbps , QSFP56 to QSFP56, 20m	MP
HDR	NA	980-9I45Y-00H030	MFS1S00-H030E	NVIDIA active fiber cable, IB HDR, up to 200Gb/s, QSFP56, LSZH, black pulltab, 30m	EOL [HVM]
HDR	200GE	980-9I440-00H030	MFS1S00-H030V	Nvidia active optical cable, up to 200Gbps , QSFP56 to QSFP56, 30m	MP
HDR	NA	980-9I455-00H050	MFS1S00-H050E	NVIDIA active fiber cable, IB HDR, up to 200Gb/s, QSFP56, LSZH, black pulltab, 50m	EOL [HVM]

IB Data Rate	Eth Data Rate	NVIDIA SKU	Legacy P/N	Description	LifeCycle Phase
HDR	200GE	980-9I447-00H050	MFS1S00-H050V	Nvidia active optical cable, up to 200Gbps , QSFP56 to QSFP56, 50m	MP
HDR	NA	980-9I44G-00H100	MFS1S00-H100E	NVIDIA active fiber cable, IB HDR, up to 200Gb/s, QSFP56, LSZH, black pulltab, 100m	EOL [HVM]
HDR	200GE	980-9I44H-00H100	MFS1S00-H100V	Nvidia active optical cable, up to 200Gbps , QSFP56 to QSFP56, 100m	MP
HDR	NA	980-9I44I-00H130	MFS1S00-H130E	NVIDIA active fiber cable, IB HDR, up to 200Gb/s, QSFP56, LSZH, black pulltab, 130m	EOL [HVM]
HDR	200GE	980-9I44K-00H130	MFS1S00-H130V	Nvidia active optical cable, up to 200Gbps , QSFP56 to QSFP56, 130m	MP
HDR	200GE	980-9I44N-00H150	MFS1S00-H150V	Nvidia active optical cable, up to 200Gbps , QSFP56 to QSFP56, 150m	MP
HDR	NA	980-9I452-00H003	MFS1S50-H003E	NVIDIA active fiber splitter cable, IB HDR, 200Gb/s to 2x100Gb/s, QSFP56 to 2xQSFP56 , LSZH, 3m	EOL [HVM]
HDR	200GE	980-9I445-00H003	MFS1S50-H003V	Nvidia active optical splitter cable, 200Gbps to 2x100Gbps , QSFP56 to 2x QSFP56, 3m	HVM
HDR	NA	980-9I956-00H005	MFS1S50-H005E	NVIDIA active fiber splitter cable, IB HDR, 200Gb/s to 2x100Gb/s, QSFP56 to 2xQSFP56 , LSZH, 5m	EOL [HVM]
HDR	200GE	980-9I969-00H005	MFS1S50-H005V	Nvidia active optical splitter cable, 200Gbps to 2x100Gbps , QSFP56 to 2x QSFP56, 5m	HVM

IB Data Rate	Eth Data Rate	NVIDIA SKU	Legacy P/N	Description	LifeCycle Phase
HDR	NA	980-9I95A-00H010	MFS1S50-H010E	NVIDIA active fiber splitter cable, IB HDR, 200Gb/s to 2x100Gb/s, QSFP56 to 2xQSFP56 , LSZH, 10m	EOL [HVM]
HDR	200GE	980-9I96D-00H010	MFS1S50-H010V	Nvidia active optical splitter cable, 200Gbps to 2x100Gbps , QSFP56 to 2x QSFP56, 10m	HVM
HDR	NA	980-9I95E-00H015	MFS1S50-H015E	NVIDIA active fiber splitter cable, IB HDR, 200Gb/s to 2x100Gb/s, QSFP56 to 2xQSFP56 , LSZH, 15m	EOL [HVM]
HDR	200GE	980-9I96H-00H015	MFS1S50-H015V	Nvidia active optical splitter cable, 200Gbps to 2x100Gbps , QSFP56 to 2x QSFP56, 15m	HVM
HDR	NA	980-9I95I-00H020	MFS1S50-H020E	NVIDIA active fiber splitter cable, IB HDR, 200Gb/s to 2x100Gb/s, QSFP56 to 2xQSFP56 , LSZH, 20m	EOL [HVM]
HDR	200GE	980-9I96L-00H020	MFS1S50-H020V	Nvidia active optical splitter cable, 200Gbps to 2x100Gbps , QSFP56 to 2x QSFP56, 20m	HVM
HDR	NA	980-9I95M-00H030	MFS1S50-H030E	NVIDIA active fiber splitter cable, IB HDR, 200Gb/s to 2x100Gb/s, QSFP56 to 2xQSFP56 , LSZH, 30m	EOL [HVM]
HDR	200GE	980-9I96P-00H030	MFS1S50-H030V	Nvidia active optical splitter cable, 200Gbps to 2x100Gbps , QSFP56 to 2x QSFP56, 30m	HVM
HDR	NA	980-9I961-00H010	MFS1S90-H010E	NVIDIA active fiber splitter cable, IB HDR, 2x200Gb/s to 2x200Gb/s, 2xQSFP56 to 2xQSFP56 , LSZH, 10m	EOL [HVM]
HDR	NA	980-9I423-00H020	MFS1S90-H020E	NVIDIA active fiber splitter cable, IB HDR, 2x200Gb/s to 2x200Gb/s, 2xQSFP56 to 2xQSFP56 , LSZH, 20m	EOL [HVM]

IB Data Rate	Eth Data Rate	NVIDIA SKU	Legacy P/N	Description	LifeCycle Phase
HDR	NA	980-91424-00H030	MFS1S90-H030E	NVIDIA active fiber splitter cable, IB HDR, 2x200Gb/s to 2x200Gb/s, 2xQSFP56 to 2xQSFP56 , LSZH, 30m	EOL [HVM]
HDR	NA	980-9117S-00HS00	MMA1T00-HS	NVIDIA transceiver, HDR, QSFP56, MPO, 850nm, SR4, up to 100m	HVM
HDR	200GE	980-9145E-09H070	MFS1S00-H070V	NVIDIA active optical cable, up to 200Gb/s IB HDR, QSFP56, LSZH, 70m	MP
HDR	200GE	980-9145L-00H150	MFS1S00-H150E	NVIDIA active fiber cable, IB HDR, up to 200Gb/s, QSFP56, LSZH, black pulltab, 150m	EOL [HVM]
HDR	200GE	980-91450-00H200	MFS1S00-H200E	NVIDIA active fiber cable, IB HDR, up to 200Gb/s, QSFP56, LSZH, black pulltab, 200m	EOL [EVT]

EDR / 100GbE Cables

IB Data Rate	Eth Data Rate	NVIDIA SKU	Legacy P/N	Description	LifeCycle Phase
NA	100GE	980-91042-00C000	MMS1V70-CM	NVIDIA transceiver, 100GbE, QSFP28, LC-LC, 1310nm, DR1	P-Rel
EDR	100GE	980-9162P-00C001	MCP1600-E001	NVIDIA Passive Copper cable, IB EDR, up to 100Gb/s, QSFP, LSZH, 1m 30AWG	EOL [HVM]
EDR	NA	980-9162Q-00E001	MCP1600-E001E30	NVIDIA Passive Copper cable, IB EDR, up to 100Gb/s, QSFP28, 1m, Black, 30AWG	HVM

IB Data Rate	Eth Data Rate	NVIDIA SKU	Legacy P/N	Description	LifeCycle Phase
EDR	100GE	980-9162S-00C002	MCP1600-E002	NVIDIA Passive Copper cable, IB EDR, up to 100Gb/s, QSFP, LSZH, 2m 28AWG	EOL [HVM]
EDR	NA	980-9162T-00E002	MCP1600-E002E26	NVIDIA Passive Copper cable, IB EDR, up to 100Gb/s, QSFP28, 2m, Black, 26AWG	Preliminary
EDR	NA	980-9162U-00E002	MCP1600-E002E30	NVIDIA Passive Copper cable, IB EDR, up to 100Gb/s, QSFP28, 2m, Black, 30AWG	HVM
EDR	100GE	980-9162V-00C003	MCP1600-E003	NVIDIA Passive Copper cable, IB EDR, up to 100Gb/s, QSFP, LSZH, 3m 26AWG	EOL [HVM]
EDR	NA	980-9162W-00E003	MCP1600-E003E26	NVIDIA Passive Copper cable, IB EDR, up to 100Gb/s, QSFP28, 3m, Black, 26AWG	HVM
EDR	NA	980-9162Y-00E004	MCP1600-E004E26	NVIDIA Passive Copper cable, IB EDR, up to 100Gb/s, QSFP28, 4m, Black, 26AWG	EOL [HVM]
EDR	NA	980-9162Z-00E005	MCP1600-E005E26	NVIDIA Passive Copper cable, IB EDR, up to 100Gb/s, QSFP28, 5m, Black, 26AWG	HVM
EDR	NA	980-91620-00E00A	MCP1600-E00A	NVIDIA Passive Copper cable, IB EDR, up to 100Gb/s, QSFP, LSZH, 0.5m 30AWG	EOL [HVM]
EDR	NA	980-91621-00E00A	MCP1600-E00AE30	NVIDIA Passive Copper cable, IB EDR, up to 100Gb/s, QSFP28, 0.5m, Black, 30AWG	EOL [HVM]

IB Data Rate	Eth Data Rate	NVIDIA SKU	Legacy P/N	Description	LifeCycle Phase
EDR	NA	980-91622-00E00B	MCP1600-E00BE30	NVIDIA Passive Copper cable, IB EDR, up to 100Gb/s, QSFP28, 0.75m, Black, 30AWG	EOL [HVM] [HIBERNATE]
EDR	100GE	980-91623-00C01A	MCP1600-E01A	NVIDIA Passive Copper cable, IB EDR, up to 100Gb/s, QSFP, LSZH, 1.5m 30AWG	EOL [HVM]
EDR	NA	980-91624-00E01A	MCP1600-E01AE30	NVIDIA Passive Copper cable, IB EDR, up to 100Gb/s, QSFP28, 1.5m, Black, 30AWG	HVM
EDR	NA	980-91625-00E01C	MCP1600-E01BE30	NVIDIA Passive Copper cable, IB EDR, up to 100Gb/s, QSFP28, 1.25m, Black, 30AWG	EOL [HVM] [HIBERNATE]
EDR	100GE	980-91626-00C02A	MCP1600-E02A	NVIDIA Passive Copper cable, IB EDR, up to 100Gb/s, QSFP, LSZH, 2.5m 26AWG	EOL [HVM]
EDR	NA	980-91627-00E02A	MCP1600-E02AE26	NVIDIA Passive Copper cable, IB EDR, up to 100Gb/s, QSFP28, 2.5m, Black, 26AWG	LTB [HVM]
EDR	NA	980-9113D-00E001	MFA1A00-E001	NVIDIA active fiber cable, IB EDR, up to 100Gb/s, QSFP, LSZH, 1m	EOL [HVM]
EDR	NA	980-9113F-00E003	MFA1A00-E003	NVIDIA active fiber cable, IB EDR, up to 100Gb/s, QSFP, LSZH, 3m	EOL [HVM]
EDR	NA	980-9113J-00E005	MFA1A00-E005	NVIDIA active fiber cable, IB EDR, up to 100Gb/s, QSFP, LSZH, 5m	HVM
EDR	NA	980-9113M-00E007	MFA1A00-E007	NVIDIA active fiber cable, IB EDR, up to 100Gb/s, QSFP, LSZH, 7m	EOL [HVM]

IB Data Rate	Eth Data Rate	NVIDIA SKU	Legacy P/N	Description	LifeCycle Phase
EDR	NA	980-91130-00E010	MFA1A00-E010	NVIDIA active fiber cable, IB EDR, up to 100Gb/s, QSFP, LSZH, 10m	HVM
EDR	NA	980-9113S-00E015	MFA1A00-E015	NVIDIA active fiber cable, IB EDR, up to 100Gb/s, QSFP, LSZH, 15m	EOL [HVM]
EDR	NA	980-9113V-00E020	MFA1A00-E020	NVIDIA active fiber cable, IB EDR, up to 100Gb/s, QSFP, LSZH, 20m	HVM
EDR	NA	980-9113Y-00E030	MFA1A00-E030	NVIDIA active fiber cable, IB EDR, up to 100Gb/s, QSFP, LSZH, 30m	HVM
EDR	NA	980-91133-00E050	MFA1A00-E050	NVIDIA active fiber cable, IB EDR, up to 100Gb/s, QSFP, LSZH, 50m	EOL [HVM]
EDR	NA	980-91135-00E100	MFA1A00-E100	NVIDIA active fiber cable, IB EDR, up to 100Gb/s, QSFP, LSZH, 100m	EOL [HVM]
EDR	NA	980-9117L-00E000	MMA1B00-E100	NVIDIA transceiver, IB EDR, up to 100Gb/s, QSFP28, MPO, 850nm, SR4, up to 100m	HVM

FDR / 56GbE Cables

IB Data Rate	Eth Data Rate	NVIDIA SKU	Legacy P/N	Description	LifeCycle Phase
FDR	56GE	980-91679-00L004	MC2207126-004	NVIDIA passive copper cable, VPI, up to 56Gb/s, QSFP, 4m	EOL [HVM]
FDR	56GE	980-9167A-00L003	MC2207128-003	NVIDIA passive copper cable, VPI, up to 56Gb/s, QSFP, 3m	EOL [HVM]

IB Data Rate	Eth Data Rate	NVIDIA SKU	Legacy P/N	Description	LifeCycle Phase
FDR	56GE	980-9I67C-00L02A	MC2207128-0A2	NVIDIA passive copper cable, VPI, up to 56Gb/s, QSFP, 2.5m	EOL [MP]
FDR	56GE	980-9I67D-00L001	MC2207130-001	NVIDIA passive copper cable, VPI, up to 56Gb/s, QSFP, 1m	EOL [HVM]
FDR	56GE	980-9I67E-00L002	MC2207130-002	NVIDIA passive copper cable, VPI, up to 56Gb/s, QSFP, 2m	EOL [HVM]
FDR	56GE	980-9I67F-00L00A	MC2207130-00A	NVIDIA passive copper cable, VPI, up to 56Gb/s, QSFP, 0.5m	EOL [HVM]
FDR	56GE	980-9I67G-00L01A	MC2207130-0A1	NVIDIA passive copper cable, VPI, up to 56Gb/s, QSFP, 1.5m	EOL [HVM]
FDR	56GE	980-9I15U-00L003	MC220731V-003	NVIDIA active fiber cable, VPI, up to 56Gb/s, QSFP, 3m	EOL [HVM]
FDR	56GE	980-9I15V-00L005	MC220731V-005	NVIDIA active fiber cable, VPI, up to 56Gb/s, QSFP, 5m	EOL [HVM]
FDR	56GE	980-9I15W-00L010	MC220731V-010	NVIDIA active fiber cable, VPI, up to 56Gb/s, QSFP, 10m	EOL [HVM]
FDR	56GE	980-9I15X-00L015	MC220731V-015	NVIDIA active fiber cable, VPI, up to 56Gb/s, QSFP, 15m	EOL [HVM]
FDR	56GE	980-9I15Y-00L020	MC220731V-020	NVIDIA active fiber cable, VPI, up to 56Gb/s, QSFP, 20m	EOL [HVM]
FDR	56GE	980-9I15Z-00L025	MC220731V-025	NVIDIA active fiber cable, VPI, up to 56Gb/s, QSFP, 25m	EOL [HVM]

IB Data Rate	Eth Data Rate	NVIDIA SKU	Legacy P/N	Description	LifeCycle Phase
FDR	56GE	980-9I150-00L030	MC220731V-030	NVIDIA active fiber cable, VPI, up to 56Gb/s, QSFP, 30m	EOL [HVM]
FDR	56GE	980-9I151-00L040	MC220731V-040	NVIDIA active fiber cable, VPI, up to 56Gb/s, QSFP, 40m	EOL [HVM] [HIBERNATE]
FDR	56GE	980-9I152-00L050	MC220731V-050	NVIDIA active fiber cable, VPI, up to 56Gb/s, QSFP, 50m	EOL [HVM]
FDR	56GE	980-9I153-00L075	MC220731V-075	NVIDIA active fiber cable, VPI, up to 56Gb/s, QSFP, 75m	EOL [HVM]
FDR	56GE	980-9I154-00L100	MC220731V-100	NVIDIA active fiber cable, VPI, up to 56Gb/s, QSFP, 100m	EOL [HVM]
FDR	NA	980-9I17M-00FS00	MMA1B00-F030D	NVIDIA transceiver, FDR, QSFP+, MPO, 850nm, SR4, up to 30m, DDMI	EOL [HVM]

50GbE Cables

IB Data Rate	Eth Data Rate	NVIDIA SKU	Legacy P/N	Description	LifeCycle Phase
N/A	50GE	980-9I44S-00G001	P16051-001	NVIDIA Passive Copper cable, 50GbE, 50Gb/s, SFP56, LSZH, 1m, black pulltab, 30AWG	Preliminary
N/A	50GE	980-9I98T-00G02A	P16052-001	NVIDIA Passive Copper cable, 50GbE, 50Gb/s, SFP56, LSZH, 2.5m, black pulltab, 26AWG	Preliminary

40GbE Cables

IB Data Rate	Eth Data Rate	NVIDIA SKU	Legacy P/N	Description	LifeCycle Phase
NA	40GE	980-9I666-00B004	MC2210126-004	NVIDIA passive copper cable, ETH 40GbE, 40Gb/s, QSFP, 4m	EOL [HVM]
NA	40GE	980-9I667-00B005	MC2210126-005	NVIDIA passive copper cable, ETH 40GbE, 40Gb/s, QSFP, 5m	EOL [HVM]
NA	40GE	980-9I668-00B003	MC2210128-003	NVIDIA passive copper cable, ETH 40GbE, 40Gb/s, QSFP, 3m	EOL [HVM]
NA	40GE	980-9I66A-00B001	MC2210130-001	NVIDIA passive copper cable, ETH 40GbE, 40Gb/s, QSFP, 1m	EOL [HVM]
NA	40GE	980-9I66C-00B002	MC2210130-002	NVIDIA passive copper cable, ETH 40GbE, 40Gb/s, QSFP, 2m	EOL [HVM]
NA	40GE	980-9I14D-00B003	MC2210310-003	NVIDIA active fiber cable, ETH 40GbE, 40Gb/s, QSFP, 3m	EOL [MP]
NA	40GE	980-9I14E-00B005	MC2210310-005	NVIDIA active fiber cable, ETH 40GbE, 40Gb/s, QSFP, 5m	EOL [MP]
NA	40GE	980-9I14F-00B010	MC2210310-010	NVIDIA active fiber cable, ETH 40GbE, 40Gb/s, QSFP, 10m	EOL [MP]
NA	40GE	980-9I14G-00B015	MC2210310-015	NVIDIA active fiber cable, ETH 40GbE, 40Gb/s, QSFP, 15m	EOL [MP]
NA	40GE	980-9I14H-00B020	MC2210310-020	NVIDIA active fiber cable, ETH 40GbE, 40Gb/s, QSFP, 20m	EOL [MP]
NA	40GE	980-9I14I-00B030	MC2210310-030	NVIDIA active fiber cable, ETH 40GbE, 40Gb/s, QSFP, 30m	EOL [MP]

IB Data Rate	Eth Data Rate	NVIDIA SKU	Legacy P/N	Description	LifeCycle Phase
NA	40GE	980-9I14J-00B050	MC2210310-050	NVIDIA active fiber cable, ETH 40GbE, 40Gb/s, QSFP, 50m	EOL [MP]
NA	40GE	980-9I14K-00B100	MC2210310-100	NVIDIA active fiber cable, ETH 40GbE, 40Gb/s, QSFP, 100m	EOL [MP]
NA	40GE	980-9I64V-00B005	MC2609125-005	NVIDIA passive copper hybrid cable, ETH 40GbE to 4x10GbE, QSFP to 4xSFP+, 5m	EOL [P-Rel]
NA	40GE	980-9I64W-00B001	MC2609130-001	NVIDIA passive copper hybrid cable, ETH 40GbE to 4x10GbE, QSFP to 4xSFP+, 1m	EOL [HVM]
NA	40GE	980-9I64Y-00B003	MC2609130-003	NVIDIA passive copper hybrid cable, ETH 40GbE to 4x10GbE, QSFP to 4xSFP+, 3m	EOL [HVM]
NA	40GE	980-9I72A-00B010	MCA7J60-C003	NVIDIA® passive fiber hybrid cable, MPO to 8xLC, 10m	Preliminary
NA	40GE	980-9I72H-00B010	MCA7J70-C003	NVIDIA® passive fiber hybrid cable, MPO to 8xLC, 10m	Preliminary
NA	40GE	980-9I66U-00B001	MCP1700-B001E	NVIDIA passive copper cable, ETH 40GbE, 40Gb/s, QSFP, 1m, Black Pulltab	EOL [HVM]
NA	40GE	980-9I66V-00B002	MCP1700-B002E	NVIDIA passive copper cable, ETH 40GbE, 40Gb/s, QSFP, 2m, Black Pulltab	EOL [HVM]
NA	40GE	980-9I66W-00B003	MCP1700-B003E	NVIDIA passive copper cable, ETH 40GbE, 40Gb/s, QSFP, 3m, Black Pulltab	EOL [HVM]

IB Data Rate	Eth Data Rate	NVIDIA SKU	Legacy P/N	Description	LifeCycle Phase
NA	40GE	980-9I66X-00B01A	MCP1700-B01AE	NVIDIA passive copper cable, ETH 40GbE, 40Gb/s, QSFP, 1.5m, Black Pulltab	EOL [MP]
NA	40GE	980-9I66Y-00B02A	MCP1700-B02AE	NVIDIA passive copper cable, ETH 40GbE, 40Gb/s, QSFP, 2.5m, Black Pulltab	EOL [MP]
NA	40GE	980-9I64X-00B01A	MCP7900-X01AA	NVIDIA passive copper hybrid cable, ETH 40GbE to 4x10GbE, QSFP to 4xSFP+, 1.5m, Blue Pulltab, customized label	EOL [P-Rel] [HIBERNATE]
NA	40GE	980-9I640-00B002	MCP7904-X002A	NVIDIA passive copper hybrid cable, ETH 40GbE to 4x10GbE, QSFP to 4xSFP+, 2m, Black Pulltab, customized label	EOL [HVM]
NA	40GE	980-9I641-00B003	MCP7904-X003A	NVIDIA passive copper hybrid cable, ETH 40GbE to 4x10GbE, QSFP to 4xSFP+, 3m, Black Pulltab, customized label	EOL [HVM] [HIBERNATE]
NA	40GE	980-9I642-00B01A	MCP7904-X01AA	NVIDIA passive copper hybrid cable, ETH 40GbE to 4x10GbE, QSFP to 4xSFP+, 1.5m, Black Pulltab, customized label	EOL [HVM]
NA	40GE	980-9I643-00B02A	MCP7904-X02AA	NVIDIA passive copper hybrid cable, ETH 40GbE to 4x10GbE, QSFP to 4xSFP+, 2.5m, Black Pulltab, customized label	EOL [P-Rel] [HIBERNATE]
NA	40GE	980-9I426-00BM00	MMA1B00-B150D	NVIDIA transceiver, 40GbE, QSFP+, MPO, 850nm, SR4, up to 150m, DDMI	EOL [HVM]

25GbE Cables

IB Data Rate	Eth Data Rate	NVIDIA SKU	Legacy P/N	Description	LifeCycle Phase
NA	25GE	980-9I78I-00A000	MAM1Q00A-QSA28	NVIDIA cable module, ETH 25GbE, 100Gb/s to 25Gb/s, QSFP28 to SFP28	HVM
NA	25GE	980-9I63J-00A001	MCP2M00-A001	NVIDIA Passive Copper cable, ETH, up to 25Gb/s, SFP28, 1m, 30AWG	EOL [HVM]
NA	25GE	980-9I63L-00A001	MCP2M00-A001E30N	NVIDIA Passive Copper cable, ETH, up to 25Gb/s, SFP28, 1m, Black, 30AWG, CA-N	EOL [HVM]
NA	25GE	980-9I63N-00A002	MCP2M00-A002E26N	NVIDIA® Passive Copper cable, ETH, up to 25Gb/s, SFP28, 2m, Black, 26AWG, CA-N	Preliminary
NA	25GE	980-9I63O-00A002	MCP2M00-A002E30N	NVIDIA Passive Copper cable, ETH, up to 25Gb/s, SFP28, 2m, Black, 30AWG, CA-N	EOL [HVM]
NA	25GE	980-9I63R-00A003	MCP2M00-A003E26N	NVIDIA Passive Copper cable, ETH, up to 25Gb/s, SFP28, 3m, Black, 26AWG, CA-N	EOL [HVM]
NA	25GE	980-9I63S-00A003	MCP2M00-A003E30L	NVIDIA Passive Copper cable, ETH, up to 25Gb/s, SFP28, 3m, Black, 30AWG, CA-L	EOL [HVM]
NA	25GE	980-9I63T-00A004	MCP2M00-A004E26L	NVIDIA Passive Copper cable, ETH, up to 25Gb/s, SFP28, 4m, Black, 26AWG, CA-L	EOL [HVM]
NA	25GE	980-9I63V-00A005	MCP2M00-A005E26L	NVIDIA Passive Copper cable, ETH, up to 25Gb/s, SFP28, 5m, Black, 26AWG, CA-L	EOL [HVM]

IB Data Rate	Eth Data Rate	NVIDIA SKU	Legacy P/N	Description	LifeCycle Phase
NA	25GE	980-9I63W-00A00A	MCP2M00-A00A	NVIDIA Passive Copper cable, ETH, up to 25Gb/s, SFP28, 0.5m, 30AWG	EOL [HVM]
NA	25GE	980-9I63X-00A00A	MCP2M00-A00AE30N	NVIDIA Passive Copper cable, ETH, up to 25Gb/s, SFP28, 0.5m, Black, 30AWG, CA-N	EOL [HVM]
NA	25GE	980-9I63Z-00A01A	MCP2M00-A01AE30N	NVIDIA Passive Copper cable, ETH, up to 25Gb/s, SFP28, 1.5m, Black, 30AWG, CA-N	EOL [HVM]
NA	25GE	980-9I631-00A02A	MCP2M00-A02AE26N	NVIDIA Passive Copper cable, ETH, up to 25Gb/s, SFP28, 2.5m, Black, 26AWG, CA-N	EOL [HVM]
NA	25GE	980-9I632-00A02A	MCP2M00-A02AE30L	NVIDIA Passive Copper cable, ETH, up to 25Gb/s, SFP28, 2.5m, Black, 30AWG, CA-L	EOL [HVM]
NA	25GE	980-9IA1T-00A003	MFA2P10-A003	NVIDIA active optical cable 25GbE, SFP28, 3m	EOL [HVM]
NA	25GE	980-9I53W-00A005	MFA2P10-A005	NVIDIA active optical cable 25GbE, SFP28, 5m	EOL [HVM]
NA	25GE	980-9I53Z-00A007	MFA2P10-A007	NVIDIA active optical cable 25GbE, SFP28, 7m	EOL [HVM]
NA	25GE	980-9I532-00A010	MFA2P10-A010	NVIDIA active optical cable 25GbE, SFP28, 10m	EOL [HVM]
NA	25GE	980-9I535-00A015	MFA2P10-A015	NVIDIA active optical cable 25GbE, SFP28, 15m	EOL [HVM]
NA	25GE	980-9I536-00A020	MFA2P10-A020	NVIDIA active optical cable 25GbE, SFP28, 20m	EOL [HVM]
NA	25GE	980-9I539-00A030	MFA2P10-A030	NVIDIA active optical cable 25GbE, SFP28, 30m	EOL [HVM]

IB Data Rate	Eth Data Rate	NVIDIA SKU	Legacy P/N	Description	LifeCycle Phase
NA	25GE	980-9I53A-00A050	MFA2P10-A050	NVIDIA active optical cable 25GbE, SFP28, 50m	EOL [HVM]
NA	25GE	980-9I094-00AR00	MMA2L20-AR	NVIDIA optical transceiver, 25GbE, 25Gb/s, SFP28, LC-LC, 1310nm, LR up to 10km	MP
NA	25GE	980-9I595-00AM00	MMA2P00-AS	NVIDIA transceiver, 25GbE, SFP28, LC-LC, 850nm, SR	HVM

10GbE Cables

IB Data Rate	Eth Data Rate	NVIDIA SKU	Legacy P/N	Description	LifeCycle Phase
NA	10GE	980-9I71G-00J000	MAM1Q00A-QSA	NVIDIA cable module, ETH 10GbE, 40Gb/s to 10Gb/s, QSFP to SFP+	HVM
NA	10GE	980-9I65P-00J005	MC2309124-005	NVIDIA passive copper hybrid cable, ETH 10GbE, 10Gb/s, QSFP to SFP+, 5m	EOL [P-Rel]
NA	10GE	980-9I65Q-00J007	MC2309124-007	NVIDIA passive copper hybrid cable, ETH 10GbE, 10Gb/s, QSFP to SFP+, 7m	EOL [P-Rel]
NA	10GE	980-9I65R-00J001	MC2309130-001	NVIDIA passive copper hybrid cable, ETH 10GbE, 10Gb/s, QSFP to SFP+, 1m	EOL [HVM]
NA	10GE	980-9I65S-00J002	MC2309130-002	NVIDIA passive copper hybrid cable, ETH 10GbE, 10Gb/s, QSFP to SFP+, 2m	EOL [HVM]

IB Data Rate	Eth Data Rate	NVIDIA SKU	Legacy P/N	Description	LifeCycle Phase
NA	10GE	980-9I65T-00J003	MC2309130-003	NVIDIA passive copper hybrid cable, ETH 10GbE, 10Gb/s, QSFP to SFP+, 3m	EOL [HVM]
NA	10GE	980-9I65U-00J00A	MC2309130-00A	NVIDIA passive copper hybrid cable, ETH 10GbE, 10Gb/s, QSFP to SFP+, 0.5m	EOL [HVM] [HIBERNATE]
NA	10GE	980-9I682-00J004	MC3309124-004	NVIDIA passive copper cable, ETH 10GbE, 10Gb/s, SFP+, 4m	EOL [HVM]
NA	10GE	980-9I683-00J005	MC3309124-005	NVIDIA passive copper cable, ETH 10GbE, 10Gb/s, SFP+, 5m	EOL [HVM]
NA	10GE	980-9I684-00J006	MC3309124-006	NVIDIA passive copper cable, ETH 10GbE, 10Gb/s, SFP+, 6m	EOL [HVM]
NA	10GE	980-9I685-00J007	MC3309124-007	NVIDIA passive copper cable, ETH 10GbE, 10Gb/s, SFP+, 7m	EOL [HVM]
NA	10GE	980-9I686-00J001	MC3309130-001	NVIDIA passive copper cable, ETH 10GbE, 10Gb/s, SFP+, 1m	EOL [HVM]
NA	10GE	980-9I688-00J002	MC3309130-002	NVIDIA passive copper cable, ETH 10GbE, 10Gb/s, SFP+, 2m	EOL [HVM]
NA	10GE	980-9I68B-00J003	MC3309130-003	NVIDIA passive copper cable, ETH 10GbE, 10Gb/s, SFP+, 3m	EOL [HVM]
NA	10GE	980-9I68F-00J00A	MC3309130-00A	NVIDIA passive copper cable, ETH 10GbE, 10Gb/s, SFP+, 0.5m	EOL [HVM]
NA	10GE	980-9I68G-00J01A	MC3309130-0A1	NVIDIA passive copper cable, ETH 10GbE, 10Gb/s, SFP+, 1.5m	EOL [HVM]

IB Data Rate	Eth Data Rate	NVIDIA SKU	Legacy P/N	Description	LifeCycle Phase
NA	10GE	980-9I68H-00J02A	MC3309130-0A2	NVIDIA passive copper cable, ETH 10GbE, 10Gb/s, SFP+, 2.5m	EOL [HVM]
NA	10GE	980-9I68B-00J002	MCP2100-X002B	NVIDIA passive copper cable, ETH 10GbE, 10Gb/s, SFP+, 2m, Blue Pulltab, Connector Label	EOL [HVM] [HIBERNATE]
NA	10GE	980-9I68C-00J003	MCP2100-X003B	NVIDIA passive copper cable, ETH 10GbE, 10Gb/s, SFP+, 3m, Blue Pulltab, Connector Label	EOL [HVM]
NA	10GE	980-9I68E-00J001	MCP2104-X001B	NVIDIA passive copper cable, ETH 10GbE, 10Gb/s, SFP+, 1m, Black Pulltab, Connector Label	EOL [HVM] [HIBERNATE]
NA	10GE	980-9I68F-00J002	MCP2104-X002B	NVIDIA passive copper cable, ETH 10GbE, 10Gb/s, SFP+, 2m, Black Pulltab, Connector Label	EOL [HVM]
NA	10GE	980-9I68G-00J003	MCP2104-X003B	NVIDIA passive copper cable, ETH 10GbE, 10Gb/s, SFP+, 3m, Black Pulltab, Connector Label	EOL [HVM]
NA	10GE	980-9I68H-00J01A	MCP2104-X01AB	NVIDIA passive copper cable, ETH 10GbE, 10Gb/s, SFP+, 1.5m, Black Pulltab, Connector Label	EOL [HVM]
NA	10GE	980-9I68I-00J02A	MCP2104-X02AB	NVIDIA passive copper cable, ETH 10GbE, 10Gb/s, SFP+, 2.5m, Black Pulltab, Connector Label	EOL [HVM]
NA	10GE	930-9O000-0000-343	MFM1T02A-LR	NVIDIA SFP+ optical module for 10GBASE-LR	HVM

IB Data Rate	Eth Data Rate	NVIDIA SKU	Legacy P/N	Description	LifeCycle Phase
NA	10GE	MFM1T02A-LR-F	MFM1T02A-LR-F	NVIDIA optical module, ETH 10GbE, 10Gb/s, SFP+, LC-LC, 1310nm, LR up to 10km	HVM
NA	10GE	930-90000-0000-409	MFM1T02A-SR	NVIDIA SFP+ optical module for 10GBASE-SR	HVM
NA	10GE	MFM1T02A-SR-F	MFM1T02A-SR-F	NVIDIA optical module, ETH 10GbE, 10Gb/s, SFP+, LC-LC, 850nm, SR up to 300m	HVM
NA	10GE	MFM1T02A-SR-P	MFM1T02A-SR-P	NVIDIA optical module, ETH 10GbE, 10Gb/s, SFP+, LC-LC, 850nm, SR up to 300m	HVM

1GbE Cables

IB Data Rate	Eth Data Rate	NVIDIA SKU	Legacy P/N	Description	LifeCycle Phase
NA	1GE	980-91270-00IM00	MC3208011-SX	NVIDIA Optical module, ETH 1GbE, 1Gb/s, SFP, LC-LC, SX 850nm, up to 500m	EOL [P-Rel]
NA	1GE	980-91251-00IS00	MC3208411-T	NVIDIA module, ETH 1GbE, 1Gb/s, SFP, Base-T, up to 100m	HVM

Supported 3rd Party Cables and Modules

Speed	Cable OPN	Description
100GbE	FTLC9555REPM3-HD	100m Parallel MMF 100G QSFP28 Optical Transceiver

Speed	Cable OPN	Description
25GE	AFBR-735ASMZ-HT1	25GE SFP28 for Multi-Mode Optical Fiber, 850nm, 0-85°C, Dual rate 25G BASE-SR and 10G BASE-SR, Ethernet Optical Transceiver
10GbE	DM7053	10G-Base-T MethodElec modules

Release Notes Change Log History

Changes and New Features in 4.13.0

- **Firmware Updates**
 - (Beta-level) Deferred firmware update flow for DPU firmware components, initiated using Redfish from the DPU-BMC and host bfb-install utility, without immediate service interruption
- **Platform & OS Support**
 - Enabled DPF integration testing for the official RHCOS-based BFB reference build
 - Added support for Debian 13 (Trixie) and its 6.12 kernel series on BFB

Changes and New Features in 4.12.0

- Bug fixes

Changes and New Features in 4.11.0

- (Beta level) Support for coordinated host server warm-reboot reset with BlueField-3 in DPU Mode. Reduces downtime for applying a new image with reset. See limitations under Known Issues.
- Support for synchronous boot flow. In DPU mode, Arm UEFI boot needs to wait for DPU-BMC boot after a power cycle. This feature resolves the need for a second Arm-OS boot after DPU-BMC is up. (Disabled by default.)
- In DPU Mode, host-OS boot is delayed until DPU Arm-OS is up. (Disabled by default)
- (Beta level) Deferred update flow for BlueField-3 firmware from host-OS via RShim using PLDM bfBundle image format.

Changes and New Features in 4.10.0

Added:

- RSHIM now exposes whether BlueField device is in DPU mode or NIC mode
- BlueField-3 PLDM firmware update while in NIC mode, will apply the new firmware image with system (host) warm reboot on all components including the DPU-BMC.
- Introduced a host-based MFT tool query to check if device is physically connected as Socket Direct and Aux card is present
- Platform RedFish Management: user may adjust power capping via Redfish power control schema

Changes and New Features in 4.9.0

- In the [devlink](#) and [mlxdevm](#) APIs, added support for setting a maximum number of completion event queues for SFs. Setting I/O completion EQs causes the netdev of the SF to use an equal number of TX and RX channels as I/O completion EQs.
- Added the ability to designate a part of BlueField-3's [L3 cache](#) as exclusive to NIC.

Note

Allocating more exclusive cache to NIC improves networking performance at the expense of applications running on the BlueField-3 Arm OS.

- Enhanced firmware reset flow for Sync1 utilizing community-accepted hot reset kernel flow
- BlueField B3220 [DDR speed](#) can be configured to either 5200Mhz or 5600Mhz using the Arm UEFI menu if the hardware revision supports these speeds.

Info

DDR speed default remains 5200Mhz to maintain backward compatibility.

- Added support to the `bfcfg` script to dump extra system configuration information. The `-l` parameter can be used along with `-d` to set the dump level.

Changes and New Features in 4.8.0

- Added support for bf.cfg file of size up to 128 KB
- Added support for transferring ownership of RShim driver from the host to the BlueField BMC
- Introduced new behavior for 150W platforms where, to ensure proper operation of the BlueField, ATF will not boot BlueField-3 platforms if the ATX +12V is not connected

Changes and New Features in 4.7.0

- Added support for new BlueField reset and reboot procedures for loading new firmware and firmware configuration changes which replace previous need for server power cycle
- Updated the default operation mode of SuperNICs to NIC mode (from DPU mode). This is relevant to the following SKUs:
 - 900-9D3B4-00CC-EA0
 - 900-9D3B4-00SC-EA0
 - 900-9D3B4-00CV-EA0
 - 900-9D3B4-00SV-EA0
 - 900-9D3B4-00EN-EA0
 - 900-9D3B4-00PN-EA0

- 900-9D3D4-00EN-HA0
- 900-9D3D4-00NN-HA0

(i) Note

When upgrading one of these SuperNICs to 2.7.0, if its mode of operation was changed at any point in the past, then the last configured mode of operation will remain unchanged. Otherwise, the SuperNIC will rise in NIC operation mode.

- Installing the BFB Bundle now performs NIC firmware update by default
- Added ability to install NIC firmware and BMC software in NIC mode in NVIDIA® BlueField®-3.

(i) Note

It is important to note the following:

- During BFB Bundle installation, Linux is expected to boot to upgrade NIC firmware and BMC software
- As Linux is booting during BFB Bundle installation, it is expected for the mlx5 core driver to timeout on the BlueField Arm
- During the BFB Bundle installation, it is expected for the mlx5 driver to error messages on the x86 host. These prints may be ignored as they are resolved by a mandatory, post-installation power cycle.
- It is mandatory to power cycle the host after the installation is complete for the changes to take effect

- Software packaging – new BlueField firmware bundle package (`bf-fwbundle-<version>.prod.bfb`), a smaller image for Day 2 upgrades, without the OS and DOCA runtime. Includes ATF, UEFI, nic-fw, bmc-fw, and eROT only.
- Improved BlueField BMC robustness –
 - Report LLDP for L2 discovery via Redfish
 - Improved BlueField DPU debuggability
- Increased support for virtio-net VF devices on BlueField-3 networking platforms to 2K
- Reduced power consumption for BlueField NIC mode
- RAS
 - Report DDR Error to OS, including both single-bit ECC error and UCE error
 - Support error injection in processors, memory, and PCIe devices

Changes and New Features in 4.6.0

- Updated minimum [UEFI password requirements](#)
- Included DPU BMC firmware as part of the BFB image
- Added virtio-net support for plugging/unplugging parallel devices
- Implemented virtio debug enhancements

Changes and New Features in 4.5.0

- Added Redfish support for configuring all UEFI secure boot settings (disable, enable, enroll user keys, etc.) at scale, remotely, and securely
- For FHHL DPUs, added support for performing PCIe bifurcation configuration via MFT tool

(i) Note

Only a subset of configurations are supported.

- Updated the print of the manufacturing (MFG) setting, `MFG_00B_MAC`, displayed by the command `bfcfg -d` to appear in lower-case to align with standard Linux tools

Changes and New Features in 4.2.0

(i) Note

Upgrading to this BSP version installs a new version of Ubuntu GRUB. This version of GRUB revokes the old UEFI secure boot certificates and install new ones. The new certificates will not validate older images and boot will fail. Therefore, to roll back to older software versions, users must disable UEFI secure boot.

- BFB installation chooses the on-chip NVMe (`/dev/nvme0n1`) by default for the EFI system partition and Linux rootfs installation and can be overloaded with `device=/dev/mmcblk0` in `bf.cfg` to push together with the BFB.

(i) Info

Installing on NVMe causes DPU booting to stay at the UEFI shell when changing to Livefish mode.

Info

A previously installed OS on the eMMC device stays intact. Only the EFI boot entry is updated to boot from the SSD device.

Changes and New Features in 4.0.3

- BlueField-3 tuning update for power and performance

Changes and New Features in 4.0.2

- BlueField-3 power-capping and thermal-throttling
- Added Linux `fsck` to boot flow
- Log PCIe errors (to RShim log)
- Halt uncorrectable double-bit ECC error on DDR

Changes and New Features in 3.9.3

- Added support for live migration of VirtIO-net and VirtIO-blk VFs from one VM to another. Requires working with the new vDPA driver.
- OS configuration – enabled tmpfs in `/tmp`

Changes and New Features in 3.9.2

- Added support for Arm host
- Enroll new NVIDIA certificates to DPU UEFI database

Warning

Important: User action required! See known issue [#3077361](#) for details.

Changes and New Features in 3.9.0

Note

This is the last release to offer GA support for first-generation NVIDIA® BlueField® DPUs.

- Added support for NIC mode of operation
- Added password protection to change boot parameters in GRUB menu
- Added IB support for DOCA runtime and dev environment
- Implemented RShim PF interrupts
- Virtio-net-controller is split to 2 processes for fast recovery after service restart
- Added support for live virtio-net controller upgrade instead of performing a full restart
- Expanded BlueField-2 PCIe bus number range to 254 (0-253)
- Added a new CAP field, `log_max_queue_depth` (value can be set to `2K`/`4K`), to indicate the maximal NVMe SQ and CQ sizes supported by firmware. This can be used by NVMe controllers or by non-NVMe drivers which do not rely on NVMe CAP field.
- Added ability for the RShim driver to still work when the host is in secure boot mode
- Added `bfb-info` command which provides the breakdown of the software components bundled in the BFB package

- Added support for rate limiting VF groups

Changes and New Features in 3.8.5

- PXE boot option is enabled automatically and is available for the ConnectX and OOB network interfaces
- Added Vendor Class option "BF2Client" in DHCP request for PXE boot to identify card
- Updated the "force PXE" functionality to continue to retry PXE boot entries until successful. A configuration called "boot override retry" has been added. With this configured, UEFI does not rebuild the boot entries after all boot options are attempted but loops through the PXE boot options until booting is successful. Once successful, the boot override entry configuration is disabled and would need to be reenabled for future boots.
- Added ability to change the CPU clock dynamically according to the temperature and other sensors of the DPU. If the power consumption reaches close to the maximum allowed, the software module decreases the CPU clock rate to ensure that the power consumption does not cross the system limit.

Note

This feature is relevant only for OPNs MBF2H516C-CESOT, MBF2M516C-EECOT, MBF2H516C-EESOT, and MBF2H516C-CECOT.

- Bug fixes

Changes and New Features in 3.8.0

- Added ability to perform warm reboot on BlueField-2 based devices
- Added support for DPU BMC with OpenBMC
- Added support for NVIDIA Converged Accelerator (900-21004-0030-000)

Bug Fixes History

Ref #	Details
4432078	Description: The PLDM file name uses a different YY/MM tag than the corresponding BFB file name.
	Keywords: PLDM; BFB; filename
	Fixed in version: 4.13.0
4438514	Description: When probing device instance 1, the gpio-mlxbf3 driver may log the following harmless message: <pre>mlxbf3_gpio MLNXBF33:01: error -ENXIO: IRQ index 0 not found</pre>
	Keywords: Logging
	Fixed in version: 4.13.0
4546487	Description: In Device Manager, users can still select the “Separated” internal CPU mode even though this mode has been deprecated and is no longer supported.
	Keywords: Device Manager; Separated mode; SmartNIC; Embedded mode
	Fixed in version: 4.13.0
4548563	Description: On BlueField-3 with Ubuntu 24.04, the OP-TEE driver cannot be loaded. Running <code>modprobe optee</code> fails with <code>Operation not supported</code> .
	Keywords: OP-TEE; modprobe
	Fixed in version: 4.13.0
4548705	Description: Oracle Linux 9.4 BFB for BlueField-3 does not include the <code>doca-sosreport</code> package, preventing generation of SOS diagnostic reports.
	Keywords: BFB; <code>doca-sosreport</code> ; missing package
	Fixed in version: 4.13.0

Ref #	Details
4582160	Description: Running <code>dmidecode -t 16</code> on BlueField-3 may show an incorrect "Number Of Devices" in the physical memory array section. Systems with two memory devices may report only one.
	Keywords: SMBIOS; <code>dmidecode</code> ; memory devices
	Fixed in version: 4.13.0
4612418	Description: Configuring hugepages through <code>/etc/default/grub</code> (e.g., <code>default_hugepagesz=1G</code> <code>hugepagesz=1G</code> <code>hugepages=6</code>) does not take effect after reboot.
	Keywords: Hugepages; GRUB; boot parameters
	Fixed in version: 4.13.0
4652620	Description: Real-time CPU frequency monitoring may increase CPU usage by 10–30% on older Linux kernels.
	Keywords: CPPC utilization
	Fixed in version: 4.13.0
4519591	Description: In NIC mode, after Arm reboot, the BMC firmware and CEC versions are intermittently missing in the host query output.
	Keywords: Host; firmware
	Fixed in version: 4.13.0
4550064	Description: When running <code>sos report</code> , several plugins such as kernel, process, and processor may time out during report generation. The timeouts are harmless; reports still generate successfully.
	Keywords: Kernel boot failure
	Fixed in version: 4.13.0
4626552	Description: A firmware update failure may be incorrectly logged as an informational <code>[INFO]</code> message rather than an <code>[ERROR]</code> .
	Keywords: Firmware update; bfb-install; logging
	Fixed in version: 4.13.0

Ref #	Details
4643378	Description: In long-duration AC cycling tests, ipmitool commands may fail due to intermittent I ² C device access issues on BlueField-3.
	Keywords: I2C; IPMI
	Fixed in version: 4.13.0
4656521	Description: On BlueField-3 running Debian 13, restarting the <code>openibd</code> driver service on the Arm side may fail if user applications (e.g., <code>reactor_0</code>) are still holding InfiniBand device handles. The service reports <code>Cannot unload the InfiniBand driver stack</code> .
	Keywords: Debian; driver restart
	Fixed in version: 4.13.0
4454034	Description: The HBN Pod in DPF Operator attempts to use <code>iptables-legacy</code> , causing failures in packet filtering rules on the DPU OS.
	Keywords: iptables-nft; DPU OS
	Detected in version: 4.11.0
4545442	Description: During BlueField-3 BFB upgrades, mlxreg commands for ATF/UEFI/BMC/CEC version extraction may fail, resulting in version mismatch reports and upgrade verification timeouts.
	Keywords: Software upgrade
	Detected in version: 4.11.0
4496857 4430658	Description: DPU Arm does not boot, RShim log is empty and BL1 banner <code>Nvidia BlueField-3 rev1 BL1 V1.0</code> is printed to the DPU Arm console. RShim <code>BOOT_MODE</code> is set to 0.
	Keywords: Arm; RShim
	Detected in version: 4.9.3
4507962	Description: In NIC mode, after Arm reboot, the BMC firmware and CEC versions may be missing in the host query output.
	Keywords: Host; firmware
	Detected in version: 4.9.3

Ref #	Details
4518296	Description: LFWP firmware upgrade fails to update BMC and CEC components due to missing firmware images in the bundle, caused by DPU Part Number detection failure.
	Keywords: Firmware upgrade
	Detected in version: 4.9.3
4417958	Description: GRUB menu access fails due to formatting error in <code>/etc/grub.d/40_custom</code> .
	Keywords: GUI; GRUB
	Detected in version: 4.9.1
3914629	Description: When "Force PXE" is set right before installing a BFB image via BMC RShim, BlueField PXE boot fails to boot from NET-OOB-IPV4.
	Keyword: PXE boot
	Reported in version: 4.7.0
4265126	Description: Enabling <code>CONFIG_IPMI_PANIC_EVENT</code> or <code>CONFIG_IPMI_PANIC_STRING</code> in the kernel causes the IPMI message handler to send panic events to the BMC, which can hang on BlueField systems.
	Keywords: SEL logging; IPMI panic event
	Detected in version: 4.5.0
4454034	Description: The HBN Pod in DPF Operator attempts to use <code>iptables-legacy</code> , causing failures in packet filtering rules on the DPU OS.
	Keywords: iptables-nft; DPU OS
	Detected in version: 4.11.0
4545442	Description: During BlueField-3 BFB upgrades, mlxreg commands for ATF/UEFI/BMC/CEC version extraction may fail, resulting in version mismatch reports and upgrade verification timeouts.
	Keywords: Software upgrade
	Detected in version: 4.11.0

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4496857 4430658	Description: DPU Arm does not boot, RShim log is empty and BL1 banner <code>Nvidia BlueField-3 rev1 BL1 V1.0</code> is printed to the DPU Arm console. RShim <code>BOOT_MODE</code> is set to 0.
	Keywords: Arm; RShim
	Detected in version: 4.9.3
4507962	Description: In NIC mode, after Arm reboot, the BMC firmware and CEC versions may be missing in the host query output.
	Keywords: Host; firmware
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	Keywords: SEL logging; IPMI panic event
	Detected in version: 4.5.0

Ref #	Details
4284756	Description: Boot option re-enabled by UEFI after power reset of DPU.
	Keywords: Boot; UEFI; power reset
	Detected in version : 4.10.0
4211513	Description: BlueField-3 SPDM Index 1 version is incorrect
	Keywords: BlueField-3; SPDM
	Detected in version : 4.10.0
4196880	Description: DHCP issues may lead to incomplete resolve.conf on the HBN container. The consequences can be DNS resolution failures and/or the hostname being set to 'localhost'.
	Keyword: DHCP; resolve.conf; hostname; localhost; DNS
	Detected in version: 4.10.0
4389380	Description: EXT4 file system corruption occurs following a power cycle
	Keywords: Power cycle; EXT4
	Detected in version : 4.10.0
4384302	Description: Fixed display issue were it appeared in log that only one partition was being updated despite both being updated.
	Keywords: Partition; update
	Detected in version : 4.10.0
4390904	Description: rcu-sched issue during NIC mode installation.
	Keywords: NIC mode; installation
	Detected in version : 4.10.0
4370524	Description: As a non-root user, sending bfver, bfvcheck would return extraneous trace messages "strings: /sys/firmware/acpi/tables/SSDT1: Permission denied"
	Keyword: bfver; bfvcheck
	Detected in version: 4.10.0

Ref #	Details
4353110	Description: bfb-install of bf-fwbundle-2.9.2.xxx via local rshim fails. To perform a full bfb upgrade over last GA release NIC FW: - Install latest bfb-install which is needed to inform Arm that it is in NIC mode- push the new release bfb
	Keyword: bfb-install; rshim
	Detected in version : 4.10.0
4206212	Description: With Correctable Error threshold (CeThreshold) set to 5000, generating an uncorrectable error (UE) results in a CE CPER the first time after a correctable error (CE) mem fault.
	Keywords: CPER
	Detected in version : 4.9.1
4163840	Description: SMMU is disabled which can degrade performance.
	Keywords: SMMU; performance
	Detected in version : 4.5.1
3746866	Description: The error message IANA PEN registry open failed: No such file or directory may appear when using ipmitool version 1.8.19-7. This message can be safely ignored.
	Keywords: IPMI; Debian
	Detected in version : 4.6.0
4052874	Description: UefiSignatureOwner field is not supported. If this field is populated with data, an exception occurs.
	Keyword: Redfish; UEFI
	Detected in version: 4.7.0
4128189	Description: When updating the BFB image on a BlueField-2 system via HTTP/HTTPS using Redfish, the operation may fail if the system is overloaded
	Keyword: Software; update; Redfish
	Detected in version : 4.9.0

Ref #	Details
3836598	Description: BIOS attribute in Redfish schema "SPCR UART" does not comply with expected format.
	Keyword: Redfish; BIOS
	Fixed in version: 4.9.0
4035187	Description: When eMMC is stuck, Linux tries to recover it including resetting the eMMC itself and re-initializing it.
	Keyword: eMMC stuck
	Fixed in version: 4.9.0
3894907	Description: eMMC clock toggling loop is observed after boot is completed.
	Keyword: eMMC; GPIO; toggling
	Fixed in version: 4.8.0
3863011	Description: Restarting openibd results in kernel panic after modifying kernel IPsec configurations.
	Keyword: IPsec
	Fixed in version: 4.8.0
3878458	Description: <code>/usr/lib/udev/rules.d/80-ifupdown.rules</code> runs <code>/lib/udev/ifupdown-hotplug</code> which uses ifquery for all newly created interfaces. This dramatically slows down SF interfaces creation.
	Keyword: Subfunction
	Fixed in version: 4.8.0
3901511	Description: Failure to verify measurements when UEFI secure boot is enabled.
	Keyword: UEFI Secure Boot
	Fixed in version: 4.8.0
3875394	Description: After the BFB installation, the root partition UUID in <code>/etc/fstab</code> does not match current partition UUID. As a result root partition is mounted as read-only: <pre>/dev/nvme0n1p2 on / type xfs (ro,relatime,attr2,inode64,logbufs=8,logbsize=32k,noquota) .</pre>
	Keyword: Read-only; OL; UUID
	Fixed in version: 4.8.0

Ref #	Details
3881941	Description: When working with RShim 2.0.28, PCIe host crash may rarely occur at the beginning of BFB push after the Arm reset.
	Keyword: RShim; driver
	Fixed in version: 4.8.0
3886315	Description: To reset or shut down the BlueField Arm, it is mandatory to specify the <code>--sync 0</code> argument. For example:
	<pre>mlxfwreset -d <device> -l 1 -t 4 --sync 0 r</pre>
	Keyword: Arm; shutdown
Fixed in version: 4.8.0	
3956210	Description: BMC version change using BFB installation can fail if the previous BMC version change process did not finish.
	Keyword: BMC
	Fixed in version: 4.8.0
3950114	Description: QP number can go beyond 0xFFFF. Change datatype to uint32_t to hold entire value.
	Keyword: Virtnet
	Fixed in version: 4.8.0
3980842	Description: Openibd queries deprecated parameter <code>ECPF_ESWITCH_MANAGER</code> until the query times out.
	Keyword: Service; openibd
	Fixed in version: 4.8.0
3948009	Description: The command <code>bfcfg -d</code> may show an incorrect OOB MAC address.
	Keywords: OOB; MAC
	Fixed in version: 4.8.0

Ref #	Details
3814526	Description: Kubernetes official repository changed location and it causes apt/yum failures on BlueField OSes older than BSP 4.7.0 (DOCA 2.7.0).
	Keywords: Kubernetes; OS
	Fixed in version: 4.7.0
3814526	Description: The location of the official Kubernetes repository changed, causing apt/yum failures.
	Keywords: Kubernetes
	Fixed in version: 4.7.0
3820661	Description: Virtio-net may see TX timeout on specific queues.
	Keywords: Emulated devices
	Fixed in version: 4.7.0
3850459	Description: BMC components update fails while using default BMC root password.
	Keywords: BMC; update
	Fixed in version: 4.7.0
3774088	Description: When enrolling a certificate to the UEFI DB, the failure message "ERROR: Unsupported file type!" is displayed when the DB was full.
	Keywords: SNAP; UEFI; error
	Fixed in version: 4.7.0
3787003	Description: Host PCIe driver hangs when hot plugging a device due to SF creation and error flow handling failure.
	Keywords: Subfunction; hot-plug
	Fixed in version: 4.7.0
3663398	Description: On rare occasions, OP-TEE may panic upon boot.
	Keywords: fTPM over OP-TEE
	Fixed in version: 4.7.0

Ref #	Details
3677366	Description: On rare occasions, the devices <code>/dev/tpm0</code> and <code>/dev/tpmrm0</code> are not created triggering an fTPM panic during boot. This message indicates that the fTPM over OP-TEE feature is not functional.
	Keywords: fTPM over OP-TEE
	Fixed in version: 4.7.0
3712916	Description: The following fTMP over OP-TEE error appears when booting BlueField:
	<pre>ftpm-tee PRP0001:01: ftpm_tee_probe: tee_client_open_session failed, err=ffff3024</pre>
	Keywords: fTPM over OP-TEE
3830034	Fixed in version: 4.7.0
	Description: The following bfscripts have been deprecated and may no longer work as expected: <code>bfinst</code> , <code>bfdracut</code> , <code>bfacpievt</code> . These scripts are no longer supported and will eventually be removed. Warning logs have been added to notify users.
	Keywords: Deprecated bfscripts
3618936	Fixed in version: 4.7.0
	Description: When moving to DPU mode from NIC mode, it is necessary to reinstall the BFB and perform a graceful reboot to the DPU by shutting down the Arm cores before rebooting the host system.
	Keywords: NIC mode
3603146	Fixed in version: 4.7.0
	Description: Running <code>mlxfwreset</code> on BlueField-3 may cause the external host to crash when the RShim driver is running on that host.
	Keywords: RShim; mlxfwreset
3444073	Fixed in version: 4.7.0
	Description: <code>mlxfwreset</code> is not supported in this release.
	Keywords: mlxfwreset; support
	Fixed in version: 4.7.0

Ref #	Details
3660460	Description: Ubuntu kernel 5.15.0-88-generic backports a bug from the upstream kernel which results in virtio-net full emulation not functioning.
	Keywords: Kernel
	Fixed in version: 4.6.0
3695367	Description: For BlueField-2, although an option to configure "large ICM size" appears in the UEFI menu it is not functional as large ICM size is not supported on it.
	Keywords: UEFI
	Fixed in version: 4.6.0

Ref #	Details
3571285	<p>Description: Intermittent UEFI/grub exception after many power-cycles:</p> <pre> Call Stack: Synchronous Exception at 0xF4B72E0C ERR[UEFI]: PC=0xF4B72E0C ERR[UEFI]: PC=0xF4B72E70 ERR[UEFI]: PC=0xF4B73570 ERR[UEFI]: PC=0xF4B74904 ERR[UEFI]: PC=0xF4F04444 ERR[UEFI]: PC=0xF4F044F8 ERR[UEFI]: PC=0xF4F05160 ERR[UEFI]: PC=0xF4F02030 ERR[UEFI]: PC=0xFDFC3A38 (0xFDFB0000+0x13A38) [1] DxeCore.dll ERR[UEFI]: PC=0xF56E3594 (0xF56D4000+0xF594) [2] BdsDxe.dll ERR[UEFI]: PC=0xF56F1FFC (0xF56D4000+0x1DFFC) [2] BdsDxe.dll ERR[UEFI]: PC=0xF56F40D4 (0xF56D4000+0x200D4) [2] BdsDxe.dll ERR[UEFI]: PC=0xFDFC6E50 (0xFDFB0000+0x16E50) [3] DxeCore.dll ERR[UEFI]: PC=0x880092E0 ERR[UEFI]: PC=0x8800947C ERR[UEFI]: X0=0x0 X1=0xF4B78FC3 X2=0xE X3=0x0 ERR[UEFI]: X4=0x0 X5=0xFFFFFFFFFFFFFFFF8 X6=0x0 X7=0xFFFFFFFF5 ERR[UEFI]: X8=0xF4B79480 X9=0x2 X10=0xFFFFFFFFFFFFFFFF X11=0xFFFFDC00 </pre>
	Keyword: Security
	Fixed in version: 4.5.0

Ref #	Details
3599839	Description: On a reboot following BFB install, the error message "Boot Image update completed, Status: Volume Corrupt" is observed. The error is non-functional and may be safely ignored.
	Keyword: Software provisioning; EFI capsule update; eMMC boot partitions
	Fixed in version: 4.5.0
3556795	Description: The first uplink representor interface may not be renamed to <code>p0</code> from <code>ethX</code> .
	Keyword: Representors
	Fixed in version: 4.5.0
3629875	Description: Fixed base address of static ICM.
	Keyword: ICM
	Fixed in version: 4.5.0
3365363	Description: On BlueField-3, when booting virtio-net emulation device using a GRUB2 bootloader, the bootloader may attempt to close and re-open the virtio-net device. This can result in unexpected behavior and possible system failure to boot.
	Keywords: BlueField-3; virtio-net; UEFI
	Fixed in version: 4.5.0
3373849	Description: Different OVS-based packages can include their own systemd services which prevents <code>/sbin/mlnx_bf_configure</code> from identifying the right one.
	Keywords: OVS; systemd
	Fixed in version: 4.5.0
3605332	Description: A dmseg is printed due to the OVS bridge interface being configured DOWN by default.
	Keyword: OVS
	Fixed in version: 4.2.1
3479040	Description: For non-LSO data, a max chain of 4 descriptors is posted onto the send queue resulting in a partial packet going out on the wire.
	Keyword: Send; LSO
	Fixed in version: 4.2.1

Ref #	Details
3549785	Description: NVMe and mlx5_core drivers fail during BFB installation. As a result, Anolis OS cannot be installed on the SSD and the <code>mlxfwreset</code> command does not work during Anolis BFB installation.
	Keyword: Linux; NVMe; BFB installation
	Fixed in version: 4.2.1
3393316	Description: When LSO is enabled, if the header and data appear in the same fragment, the following warning is given from tcpdump: <pre>truncated-ip - 9 bytes missing</pre>
	Keyword: Virtio-net; large send offload
	Fixed in version: 4.2.1
3554128	Description: " <code>dmidecode</code> " output does not match " <code>ipmitool fru print</code> " output.
	Keywords: IPMI; print
	Fixed in version: 4.2.1
3508018	Description: Failure to ssh to Arm via 1GbE OOB interface is experienced after performing warm reboot on the DPU.
	Keywords: SSH; reboot
	Fixed in version: 4.2.0
3451539	Description: BSP build number (fourth digit in version number) does not appear in UEFI menu.
	Keywords: UEFI; software
	Fixed in version: 4.2.0
3259805	Description: Following many power cycles on the BlueField DPU, the virtio-net controller may fail to start with the error <code>failed to register epoll</code> in the log.
	Keywords: Virtio-net; power cycle; epoll
	Fixed in version: 4.2.0

Ref #	Details
3266180	Description: Enabled reset on MMC to enhance recovery on error.
	Keywords: MMC; reset
	Fixed in version: 4.2.0
3448217	Description: The PKA engine is not working on CentOS 7.6 due to multiple OpenSSL versions (1.0.2k 1.1.1k) being installed and the library loader not selecting the correct version of the openssl library.
	Keywords: PKA; OpenSSL
	Fixed in version: 4.2.0
3448228	Description: On virtio-net devices with LSO (large send offload) enabled, bogus packets may be captured on the SF representor when running heavy <code>iperf</code> traffic.
	Keywords: Virtio-net; iperf
	Fixed in version: 4.2.0
3452583	Description: OpenSSL is not working with PKA engine on CentOS 7.6 with 4.23 5.4 5.10 kernels due to multiple versions of OpenSSL(1.0.2k and 1.1.1k) are installed.
	Keywords: OpenSSL; PKA
	Fixed in version: 4.2.0
3455873	Description: 699140280000 OPN is not supported.
	Keywords: SKU; support
	Fixed in version: 4.2.0
3519341	Description: Populate the vGIC maintenance interrupt number in MADT to avoid harmless.
	Keywords: Error
	Fixed in version: 4.2.0
3522652	Description: The timer frequency is measured using the c0 fmon feature causing new kernels to complain if CNTFRQ_ELO has a different value on different cores.
	Keywords: Timer frequency
	Fixed in version: 4.2.0

Ref #	Details
3531965	Description: Memory info displayed via <code>dmidecode</code> is not correct for memory sizes 32G and above.
	Keywords: Memory; dmidecode
	Fixed in version: 4.2.0
3362181	Description: A customized BFB with an older kernel does not support bond speed above 200Gb/s.
	Keywords: Bond; LAG; speed
	Fixed in version: 4.2.0
3177569	Description: DCBX configuration may not take effect.
	Keywords: DCBX; QoS; Ildpad
	Fixed in version: 4.2.0
2824859	Description: Hotplug/unplug of virtio-net devices during host shutdown/bootup may result in failure to do plug/unplug.
	Keywords: Virtio-net, hotplug
	Fixed in version: 4.2.0
3252083	Description: Assert errors may be observed in the RShim log after reset/reboot. These errors are harmless and may be ignored.
	Keywords: RShim; log; error
	Fixed in version: 4.0.3
3240060	Description: Hotplug of a modern virtio-net device is not supported when <code>VIRTIO_EMULATION_HOTPLUG_TRANS</code> is <code>TRUE</code> from <code>mlxconfig</code> .
	Keywords: Virtio-net; hotplug; legacy
	Fixed in version: 4.0.3
3240182	Description: Virtio-net full emulation is not supported in CentOS 8.2 with <code>inbox-kernel 4.18.0-193.el8.aarch64</code> .
	Keywords: Virtio-net; CentOS
	Fixed in version: 4.0.3

Ref #	Details
3151884	Description: If secure boot is enabled, the following error message is observed while installing Ubuntu on the DPU: <code>ERROR: need to use capsule in secure boot mode</code> . This message is harmless and may be safely ignored.
	Keywords: Error message; installation
	Fixed in version: 3.9.3
2793005	Description: When Arm reboots or crashes after sending a virtio-net unplug request, the hotplugged devices may still be present after Arm recovers. The host, however, will not see those devices.
	Keywords: Virtio-net; hotplug
	Fixed in version: 3.9.3
3107227	Description: BlueField with secured BFB fails to boot up if the <code>PART_SCHEME</code> field is set in <code>bf.cfg</code> during installation.
	Keywords: Installation; bf.cfg
	Fixed in version: 3.9.2
3109270	Description: If the RShim service is running on an external host over the PCIe interface then, in very rare cases, a soft reset of the BlueField can cause a poisoned completion to be returned to the host. The host may treat this as a fatal error and crash.
	Keywords: RShim; ATF
	Fixed in version: 3.9.2
2790928	Description: Virtio-net-controller recovery may not work for a hot-plugged device because the system assigns a BDF (string identifier) of 0 for the hot-plugged device, which is an invalid value.
	Keywords: Virtio-net; hotplug; recovery
	Fixed in version: 3.9.0
2780819	Description: Eye-opening is not supported on 25GbE integrated-BMC BlueField-2 DPU.
	Keywords: Firmware, eye-opening
	Fixed in version: 3.9.0

Ref #	Details
2876447	Description: Virtio full emulation is not supported by NVIDIA® BlueField®-2 multi-host cards.
	Keywords: Virtio full emulation; multi-host
	Fixed in version: 3.9.0
2855485	Description: After BFB installation, Linux crash may occur with <code>efi_call_rts</code> messages in the call trace which can be seen from the UART console.
	Keywords: Linux crash; <code>efi_call_rts</code>
	Fixed in version: 3.9.0
2901514	Description: Relaxed ordering is not working properly on virtual functions.
	Keywords: MLNX_OFED; relaxed ordering; VF
	Fixed in version: 3.9.0
2852086	Description: On rare occasions, the UEFI variables in UVPS EEPROM are wiped out which hangs the boot process at the UEFI menu.
	Keywords: UEFI; hang
	Fixed in version: 3.9.0
2934828	Description: PCIe device address to RDMA device name mapping on x86 host may change after the driver restarts in Arm.
	Keywords: RDMA; Arm; driver
	Fixed in version: 3.9.0
-	Description: RShim driver does not work when the host is in secure boot mode.
	Keywords: RShim; Secure Boot
	Fixed in version: 3.9.0
2787308	Description: At rare occasions during Arm reset on BMC-integrated DPUs, the DPU will send "PCIe Completion" marked as poisoned. Some servers treat that as fatal and may hang.
	Keywords: Arm reset; BMC integrated
	Fixed in version: 3.9.0

Ref #	Details
2585607	Description: Pushing the BFB image fails occasionally with a "bad magic number" error message showing up in the console.
	Keywords: BFB push; installation
	Fixed in version: 3.9.0
2802943	Description: SLD detection may not function properly.
	Keywords: Firmware
	Fixed in version: 3.9.0
2580945	Description: External host reboot may also reboot the Arm cores if the DPU was configured using mlxconfig.
	Keywords: Non-volatile configuration; Arm; reboot
	Fixed in version: 3.9.0
2899740	Description: BlueField-2 may sometimes go to PXE boot instead of Linux after installation.
	Keywords: Installation; PXE
	Fixed in version: 3.8.5
2870143	Description: Some DPUs may get stuck at GRUB menu when booting due to the GRUB configuration getting corrupted when board is powered down before the configuration is synced to memory.
	Keywords: GRUB; memory
	Fixed in version: 3.8.5
2873700	Description: The available RShim logging buffer may not have enough space to hold the whole register dump which may cause buffer wraparound.
	Keywords: RShim; logging
	Fixed in version: 3.8.5
2801891	Description: IPMI EMU service reports cable link as down when it is actually up.
	Keywords: IPMI EMU
	Fixed in version: 3.8.0

Ref #	Details
2779861	Description: Virtio-net controller does not work with devices other than <code>m1x5_0/1</code> .
	Keywords: Virtio-net controller
	Fixed in version: 3.8.0
2801378	Description: No parameter validation is done for feature bits when performing hotplug.
	Keywords: Virtio-net; hotplug
	Fixed in version: 3.8.0
2802917	Description: When secure boot is enabled, PXE boot may not work.
	Keywords: Secure boot; PXE
	Fixed in version: 3.8.0
2827413	Description: Updating a BFB could fail due to congestion.
	Keywords: Installation; congestion
	Fixed in version: 3.8.0
2829876	Description: For virtio-net device, modifying the number of queues does not update the number of MSIX.
	Keywords: Virtio-net; queues
	Fixed in version: 3.8.0
2597790	Description: A "double free" error is seen when using the "curl" utility. This happens only when OpenSSL is configured to use a dynamic engine (e.g. Bluefield PKA engine).
	Keywords: OpenSSL; curl
	Fixed in version: 3.8.0
2853295	Description: UEFI secure boot enables the kernel lockdown feature which blocks access by mstmkra.
	Keywords: Secure boot
	Fixed in version: 3.8.0
2854472	Description: Virtio-net controller may fail to start after power cycle.
	Keywords: Virtio-net controller
	Fixed in version: 3.8.0

Ref #	Details
2854995	Description: Memory consumed for a representor exceeds what is necessary making scaling to 504 SF's not possible.
	Keywords: Memory
	Fixed in version: 3.8.0
2856652	Description: Modifying VF bits yields an error.
	Keywords: Virtio-net controller
	Fixed in version: 3.8.0
2859066	Description: Arm hangs when user is thrown to livefish by FW (e.g. secure boot).
	Keywords: Arm; livefish
	Fixed in version: 3.8.0
2866082	Description: The current installation flow requires multiple resets after booting the self-install BFB due to the watchdog being armed after capsule update.
	Keywords: Reset; installation
	Fixed in version: 3.8.0
2866537	Description: Power-off of BlueField shows up as a panic which is then stored in the RShim log and carried into the BERT table in the next boot which is misleading to the user.
	Keywords: RShim; log; panic
	Fixed in version: 3.8.0
2868944	Description: Various errors related to the UPVS store running out of space are observed.
	Keywords: UPVS; errors
	Fixed in version: 3.8.0
2754798	Description: <code>oob_net0</code> cannot receive traffic after a network restart.
	Keywords: <code>oob_net0</code>
	Fixed in version: 3.8.0

Ref #	Details
2691175	Description: Up to 31 hot-plugged virtio-net devices are supported even if <code>PCI_SWITCH_EMULATION_NUM_PORT=32</code> . Host may hang if it hot plugs 32 devices.
	Keywords: Virtio-net; hotplug
	Fixed in version: 3.8.0
2597973	Description: Working with CentOS 7.6, if SF network interfaces are statically configured, the following parameters should be set. <code>NM_CONTROLLED="no"</code> <code>DEVTIMEOUT=30</code> For example:
	<pre> # cat /etc/sysconfig/network-scripts/ifcfg-p0m0 NAME=p0m0 DEVICE=p0m0 NM_CONTROLLED="no" PEERDNS="yes" ONBOOT="yes" BOOTPROTO="static" IPADDR=12.212.10.29 BROADCAST=12.212.255.255 NETMASK=255.255.0.0 NETWORK=12.212.0.0 TYPE=Ethernet DEVTIMEOUT=30 </pre>
	Keywords: CentOS; subfunctions; static configuration
Fixed in version: 3.7.0	
2581534	Description: When shared RQ mode is enabled and offloads are disabled, running multiple UDP connections from multiple interfaces can lead to packet drops.
	Keywords: Offload; shared RQ
	Fixed in version: 3.7.0

Ref #	Details
2581621	Description: When OVS-DPDK and LAG are configured, the kernel driver drops the LACP packet when working in shared RQ mode.
	Keywords: OVS-DPDK; LAG; LACP; shared RQ
	Fixed in version: 3.7.0
2601094	Description: The gpio-mlxbf2 and mlxbf-gige drivers are not supported on 4.14 kernel.
	Keywords: Drivers; kernel
	Fixed in version: 3.7.0
2584427	Description: Virtio-net-controller does not function properly after changing uplink representor MTU.
	Keywords: Virtio-net controller; MTU
	Fixed in version: 3.7.0
2438392	Description: VXLAN with IPsec crypto offload does not work.
	Keywords: VXLAN; IPsec crypto
	Fixed in version: 3.7.0
2406401	Description: Address Translation Services is not supported in BlueField-2 step A1 devices. Enabling ATS can cause server hang.
	Keywords: ATS
	Fixed in version: 3.7.0
2402531	Description: PHYless reset on BlueField-2 devices may cause the device to disappear.
	Keywords: PHY; firmware reset
	Fixed in version: 3.7.0
2400381	Description: When working with strongSwan 5.9.0bf, running <code>ip xfrm state show</code> returns partial information as to the offload parameters, not showing " <code>mode full</code> ".
	Keywords: strongSwan; ip xfrm; IPsec
	Fixed in version: 3.7.0

Ref #	Details
2392604	Description: Server crashes after configuring PCI_SWITCH_EMULATION_NUM_PORT to a value higher than the number of PCIe lanes the server supports.
	Keywords: Server; hang
	Fixed in version: 3.7.0
2293791	Description: Loading/reloading NVMe after enabling VirtIO fails with a PCI bar memory mapping error.
	Keywords: VirtIO; NVMe
	Fixed in version: 3.7.0
2245983	Description: When working with OVS in the kernel and using Connection Tracking, up to 500,000 flows may be offloaded.
	Keywords: DPU; Connection Tracking
	Fixed in version: 3.7.0
1945513	Description: If the Linux OS running on the host connected to the BlueField DPU has a kernel version lower than 4.14, MLNX_OFED package should be installed on the host.
	Keywords: Host OS
	Fixed in version: 3.7.0
1900203	Description: During heavy traffic, ARP reply from the other tunnel endpoint may be dropped. If no ARP entry exists when flows are offloaded, they remain stuck on the slow path.
	Workaround: Set a static ARP entry at the BlueField Arm to VXLAN tunnel endpoints.
	Keywords: ARP; Static; VXLAN; Tunnel; Endpoint
	Fixed in version: 3.7.0
2082985	Description: During boot, the system enters systemctl emergency mode due a corrupt root file system.
	Keywords: Boot
	Fixed in version: 3.6.0.11699

Ref #	Details
2278833	Description: Creating a bond via NetworkManager and restarting the driver (openibd restart) results in no pf0hpf and bond creation failure.
	Keywords: Bond; LAG; network manager; driver reload
	Fixed in version: 3.6.0.11699
2286596	Description: Only up to 62 host virtual functions are currently supported.
	Keywords: DPU; SR-IOV
	Fixed in version: 3.6.0.11699
2397932	Description: Before changing SR-IOV mode or reloading the mlx5 drivers on IPsec-enabled systems, make sure all IPsec configurations are cleared by issuing the command <code>ip x s f && ip x p f</code> .
	Keywords: IPsec; SR-IOV; driver
	Fixed in version: 3.6.0.11699
2405039	Description: In Ubuntu, during or after a reboot of the Arm, manually, or as part of a firmware reset, the network devices may not transition to switchdev mode. No device representors would be created (pf0hpf, pf1hpf, etc). Driver loading on the host will timeout after 120 seconds.
	Keywords: Ubuntu; reboot; representors; switchdev
	Fixed in version: 3.6.0.11699
2403019	Description: EEPROM storage for UEFI variables may run out of space and cause various issues such as an inability to push new BFB (due to timeout) or exception when trying to enter UEFI boot menu.
	Keywords: BFB install; timeout; EEPROM UEFI Variable; UVPS
	Fixed in version: 3.6.0.11699
2458040	Description: When using OpenSSL on BlueField platforms where Crypto support is disabled, the following errors may be encountered: <code>PKA_ENGINE: PKA instance is invalid</code> <code>PKA_ENGINE: failed to retrieve valid instance</code> This happens due to OpenSSL configuration being linked to use PKA hardware, but that hardware is not available since crypto support is disabled on these platforms.
	Keywords: PKA; Crypto
	Fixed in version: 3.6.0.11699

Ref #	Details
2456947	Description: All NVMe emulation counters (Ctrl, SQ, Namespace) return "0" when queried.
	Keywords: Emulated devices; NVMe
	Fixed in version: 3.6.0.11699
2411542	Description: Multi-APP QoS is not supported when LAG is configured.
	Keywords: Multi-APP QoS; LAG
	Fixed in version: 3.6.0.11699
2394130	Description: When creating a large number of VirtIO VFs, hung task call traces may be seen in the dmesg.
	Keywords: VirtIO; call traces; hang
	Fixed in version: 3.5.1.11601
2398050	Description: Only up to 60 virtio-net emulated virtual functions are supported if LAG is enabled.
	Keywords: Virtio-net; LAG
	Fixed in version: 3.5.1.11601
2256134	Description: On rare occasions, rebooting the BlueField DPU may result in traffic failure from the x86 host.
	Keywords: Host; Arm
	Fixed in version: 3.5.1.11601
2400121	Description: When emulated PCIe switch is enabled, and more than 8 PFs are enabled, the BIOS boot process might halt.
	Keywords: Emulated PCIe switch
	Fixed in version: 3.5.0.11563
2082985	Description: During boot, the system enters systemctl emergency mode due a corrupt root file system.
	Keywords: Boot
	Fixed in version: 3.5.0.11563

Ref #	Details
2249187	Description: With the OCP card connecting to multiple hosts, one of the hosts could have the RShim PF exposed and probed by the RShim driver.
	Keywords: RShim; multi-host
	Fixed in version: 3.5.0.11563
2363650	Description: When moving to separate mode on the DPU, the OVS bridge remains and no ping is transmitted between the Arm cores and the remote server.
	Keywords: SmartNIC; operation modes
	Fixed in version: 3.5.0.11563
2394226	Description: Pushing the BFB image v3.5 with a WinOF-2 version older than 2.60 can cause a crash on the host side.
	Keywords: Windows; RShim
	Fixed in version: 3.5.0.11563

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