



## **Supported Platforms and Interoperability**

# Table of contents

Supported and Tested NVIDIA BlueField-3 Platforms

---

Supported and Tested NVIDIA BlueField-2 Platforms

---

Embedded Software

---

Supported DPU Linux Distributions (aarch64)

---

Supported Host OS per DOCA-Host Installation Profile

---

Supported Open vSwitch

---

## Supported and Tested NVIDIA BlueField-3 Platforms

SKU	PSID	Description
900-9D3B6-00CN-AB0	MT_000000883	NVIDIA BlueField-3 B3240 P-Series Dual-slot FHHL DPU; 400GbE / NDR IB (default mode); Dual-port QSFP112; PCIe Gen5.0 x16 with x16 PCIe extension option; 16 Arm cores; 32GB on-board DDR; integrated BMC; Crypto Enabled
900-9D3B6-00CV-AAH	MT_000000884	NVIDIA BlueField-3 B3220 P-Series FHHL DPU; 200GbE (default mode) / NDR200 IB; Dual-port QSFP112; PCIe Gen5.0 x16 with x16 PCIe extension option; 16 Arm cores; 32GB on-board DDR; integrated BMC; Crypto Enabled
900-9D3B6-00SN-AB0	MT_000000964	NVIDIA BlueField-3 B3240 P-Series Dual-slot FHHL DPU; 400GbE / NDR IB (default mode); Dual-port QSFP112; PCIe Gen5.0 x16 with x16 PCIe extension option; 16 Arm cores; 32GB on-board DDR; integrated BMC; Crypto Disabled
900-9D3B6-00SV-AA0	MT_000000965	NVIDIA BlueField-3 B3220 P-Series FHHL DPU; 200GbE (default mode) / NDR200 IB; Dual-port QSFP112; PCIe Gen5.0 x16 with x16 PCIe extension option; 16 Arm cores; 32GB on-board DDR; integrated BMC; Crypto Disabled
900-9D3B4-00CC-EA0	MT_000000966	NVIDIA BlueField-3 B3210L E-series FHHL SuperNIC; 100GbE (default mode) / HDR100 IB; Dual port QSFP112; PCIe Gen5.0 x16; 8 Arm cores; 16GB on-board DDR; integrated BMC; Crypto Enabled
900-9D3B4-00SC-EA0	MT_000000967	NVIDIA BlueField-3 B3210L E-series FHHL SuperNIC; 100GbE (default mode) / HDR100 IB; Dual port QSFP112; PCIe Gen5.0 x16; 8 Arm cores; 16GB on-board DDR; integrated BMC; Crypto Disabled
900-9D3B4-00EN-EA0	MT_000001010	NVIDIA BlueField-3 B3140L E-Series FHHL SuperNIC; 400GbE / NDR IB (default mode); Single-port QSFP112; PCIe Gen5.0 x16; 8 Arm cores; 16GB on-board DDR; integrated BMC; Crypto Enabled
900-9D3B4-00PN-EA0	MT_000001011	NVIDIA BlueField-3 B3140L E-Series FHHL SuperNIC; 400GbE / NDR IB (default mode); Single-port QSFP112; PCIe Gen5.0 x16; 8 Arm cores; 16GB on-board DDR; integrated BMC; Crypto Disabled
900-9D3B6-0000	MT_00000000	NVIDIA BlueField-3 B3210 P-Series FHHL DPU; 100GbE (default mode) / HDR100 IB; Dual-port QSFP112; PCIe Gen5.0 x16 with x16 PCIe

SKU	PSID	Description
00CC-AAO	01024	extension option; 16 Arm cores; 32GB on-board DDR; integrated BMC;Crypto Enabled
900-9D3B6-00SC-AAO	MT_000001025	NVIDIA BlueField-3 B3210 P-Series FHHL DPU; 100GbE (default mode) / HDR100 IB; Dual-port QSFP112; PCIe Gen5.0 x16 with x16 PCIe extension option; 16 Arm cores; 32GB on-board DDR; integrated BMC; Crypto Disabled
900-9D3D4-00EN-HAO	MT_000001069	Nvidia BlueField-3 B3140H E-series HHHL SuperNIC; 400GbE (default mode) / NDR IB; Single-port QSFP112; PCIe Gen5.0 x16; 8 Arm cores; 16GB on board DDR; integrated BMC; Crypto Enabled
900-9D3D4-00NN-HAO	MT_000001070	Nvidia BlueField-3 B3140H E-series HHHL SuperNIC; 400GbE (default mode) /NDR IB; Single-port QSFP112; PCIe Gen5.0 x16; 8 Arm cores; 16GB on board DDR; integrated BMC; Crypto Disabled
900-9D3C6-00CV-DAO	MT_000001075	NVIDIA BlueField-3 B3220SH E-Series FHHL Storage Controller; 200GbE (default mode) / NDR200 IB; Dual-port QSFP112; PCIe Gen5.0 x16 with x16 PCIe extension option; 16 Arm cores; 48GB on-board DDR; integrated BMC; Crypto Enabled; Secure Boot
900-9D3C6-00CV-GAO	MT_000001083	NVIDIA BlueField-3 B3220SH E-Series No heatsink FHHL Storage Controller; 200GbE (default mode) / NDR200 IB; Dual-port QSFP112; PCIe Gen5.0 x16 with x16 PCIe extension option; 16 Arm cores; 48GB on-board DDR; integrated BMC; Crypto Enabled
900-9D3B4-00CV-EAO	MT_000001093	NVIDIA BlueField-3 B3220L E-Series FHHL SuperNIC; 200GbE (default mode) / NDR200 IB; Dual-port QSFP112; PCIe Gen5.0 x16; 8 Arm cores; 16GB on-board DDR; integrated BMC; Crypto Enabled
900-9D3B4-00SV-EAO	MT_000001094	NVIDIA BlueField-3 B3220L E-Series FHHL SuperNIC; 200GbE (default mode) / NDR200 IB; Dual-port QSFP112; PCIe Gen5.0 x16; 8 Arm cores; 16GB on-board DDR; integrated BMC; Crypto Disabled
900-9D3C6-00SV-GAO	MT_000001101	NVIDIA BlueField-3 B3220SH E-Series No Heatsink FHHL Storage Controller; 200GbE (default mode) / NDR200 IB; Dual-port QSFP112; PCIe Gen5.0 x16 with x16 PCIe extension option; 16 Arm cores; 48GB on-board DDR; integrated BMC; Crypto Disabled
900-9D3C6-00SV-DAO	MT_000001102	NVIDIA BlueField-3 B3220SH E-Series FHHL Storage Controller; 200GbE (default mode) / NDR200 IB; Dual-port QSFP112; PCIe Gen5.0 x16 with x16 PCIe extension option; 16 Arm cores; 48GB on-board DDR; integrated BMC; Crypto Disabled;

SKU	PSID	Description
900-9D3B6-00CC-EAO	MT_0 0000 0111 5	NVIDIA BlueField-3 B3210E E-Series FHHL DPU; 100GbE (default mode) / HDR100 IB; Dual-port QSFP112; PCIe Gen5.0 x16 with x16 PCIe extension option; 16 Arm cores; 32GB on-board DDR; integrated BMC; Crypto Enabled
900-9D3B6-00SC-EAO	MT_0 0000 0111 7	NVIDIA BlueField-3 B3210E E-Series FHHL DPU; 100GbE (default mode) / HDR100 IB; Dual-port QSFP112; PCIe Gen5.0 x16 with x16 PCIe extension option; 16 Arm cores; 32GB on-board DDR; integrated BMC; Crypto Disabled
900-9D3B6-00CN-PAO	MT_0 0000 0118 8	NVIDIA BlueField-3 B3240 P-Series FHHL DPU for Cold Aisle; 400GbE / NDR IB (default mode); Dual-port QSFP112; PCIe Gen5.0 x16 with x16 PCIe extension option; 16 Arm cores; 32GB on-board DDR; integrated BMC; Crypto Enabled
900-9D3B6-00CV-PAO	MT_0 0000 0119 6	NVIDIA BlueField-3 B3220 P-Series FHHL DPU for Cold Aisle; 200GbE (default mode) / NDR200 IB; Dual-port QSFP112; PCIe Gen5.0 x16 with x16 PCIe extension option; 16 Arm cores; 32GB on-board DDR; integrated BMC; Crypto Enabled; Tall Bracket
900-9D3D4-00NN-LAO	MT_0 0000 0122 9	Nvidia BlueField-3 B3140H E-series HHL SuperNIC for Cold Aisle; 400GbE (default mode)/NDR IB; Single-port QSFP112; PCIe Gen5.0 x16; 8 Arm cores; 16GB on board DDR; integrated BMC; Crypto Disabled

## Supported and Tested NVIDIA BlueField-2 Platforms

NVIDIA SKU	Legacy OPNs	PSID	Description
900-9D219-0086-ST1	MBF2 M516A - CECOT	MT_0 00000 0375	BlueField-2 E-Series DPU 100GbE Dual-Port QSFP56; PCIe Gen4 x16; Crypto and Secure Boot Enabled; 16GB on-board DDR; 1GbE OOB management; FHHL
900-9D219-0086-ST0	MBF2 M516A -EECOT	MT_0 00000 0376	BlueField-2 E-Series DPU 100GbE/EDR/HDR100 VPI Dual-Port QSFP56; PCIe Gen4 x16; Crypto and Secure Boot Enabled; 16GB on-board DDR; 1GbE OOB management; FHHL
900-9D219-0056-ST1	MBF2 M516A - EENOT	MT_0 00000 0377	BlueField-2 E-Series DPU 100GbE/EDR/HDR100 VPI Dual-Port QSFP56; PCIe Gen4 x16; Crypto Disabled; 16GB on-board DDR; 1GbE OOB management; FHHL

NVIDIA SKU	Legacy OPNs	PSID	Description
900-9D206-0063-ST4	MBF2 M322A -AEEOT	MT_0 00000 0490	BlueField-2 E-Series DPU 25GbE Dual-Port SFP56; PCIe Gen4 x8; Crypto Enabled; 8GB on-board DDR; 1GbE OOB management; HHHH
900-9D206-0053-SQ0	MBF2H 332A- AENOT	MT_0 00000 0539	BlueField-2 P-Series DPU 25GbE Dual-Port SFP56; PCIe Gen4 x8; Crypto Disabled; 16GB on-board DDR; 1GbE OOB management; HHHH
900-9D206-0063-ST2	MBF2H 332A- AEEOT	MT_0 00000 0540	BlueField-2 P-Series DPU 25GbE Dual-Port SFP56; PCIe Gen4 x8; Crypto Enabled; 16GB on-board DDR; 1GbE OOB management; HHHH
900-9D206-0083-ST3	MBF2H 332A- AECOT	MT_0 00000 0541	BlueField-2 P-Series DPU 25GbE Dual-Port SFP56; PCIe Gen4 x8; Crypto and Secure Boot Enabled; 16GB on-board DDR; 1GbE OOB management; HHHH
900-9D206-0083-ST1	MBF2H 322A- AECOT	MT_0 00000 0542	BlueField-2 P-Series DPU 25GbE Dual-Port SFP56; PCIe Gen4 x8; Crypto and Secure Boot Enabled; 8GB on-board DDR; 1GbE OOB management; HHHH
900-9D206-0063-ST1	MBF2H 322A- AEEOT	MT_0 00000 0543	BlueField-2 P-Series DPU 25GbE Dual-Port SFP56; PCIe Gen4 x8; Crypto Enabled; 8GB on-board DDR; 1GbE OOB management; HHHH
900-9D206-0053-ST2	MBF2H 322A- AENOT	MT_0 00000 0544	BlueField-2 P-Series DPU 25GbE Dual-Port SFP56; PCIe Gen4 x8; Crypto Disabled; 8GB on-board DDR; 1GbE OOB management; HHHH
900-9D219-0066-ST0	MBF2 M516A -EEEOT	MT_0 00000 0559	BlueField-2 E-Series DPU 100GbE/EDR/HDR100 VPI Dual-Port QSFP56; PCIe Gen4 x16; Crypto Enabled; 16GB on-board DDR; 1GbE OOB management; FHHL
900-9D219-0056-SN1	MBF2 M516A - CENOT	MT_0 00000 0560	BlueField-2 E-Series DPU 100GbE Dual-Port QSFP56; PCIe Gen4 x16; Crypto Disabled; 16GB on-board DDR; 1GbE OOB management; FHHL

NVIDIA SKU	Legacy OPNs	PSID	Description
900-9D219-0066-ST2	MBF2 M516A-CEEOT	MT_0 00000 0561	BlueField-2 E-Series DPU 100GbE Dual-Port QSFP56; PCIe Gen4 x16; Crypto Enabled; 16GB on-board DDR; 1GbE OOB management; FHHL
900-9D219-0006-ST0	MBF2H 516A-CEEOT	MT_0 00000 0702	BlueField-2 DPU 100GbE Dual-Port QSFP56; PCIe Gen4 x16; Crypto; 16GB on-board DDR; 1GbE OOB management; FHHL
900-9D219-0056-ST2	MBF2H 516A-CENOT	MT_0 00000 0703	BlueField-2 DPU 100GbE Dual-Port QSFP56; PCIe Gen4 x16; Crypto Disabled; 16GB on-board DDR; 1GbE OOB management; FHHL
900-9D219-0066-ST3	MBF2H 516A-EEEOT	MT_0 00000 0704	BlueField-2 DPU 100GbE/EDR/HDR100 VPI Dual-Port QSFP56; PCIe Gen4 x16; Crypto Enabled; 16GB on-board DDR; 1GbE OOB management; FHHL
900-9D219-0056-SQ0	MBF2H 516A-EENOT	MT_0 00000 0705	BlueField-2 DPU 100GbE/EDR/HDR100 VPI Dual-Port QSFP56; PCIe Gen4 x16; Crypto Disabled; 16GB on-board DDR; 1GbE OOB management; FHHL
900-9D250-0038-ST1	MBF2 M345A-HESOT	MT_0 00000 0715	BlueField-2 E-Series DPU; 200GbE/HDR single-port QSFP56; PCIe Gen4 x16; Secure Boot Enabled; Crypto Disabled; 16GB on-board DDR; 1GbE OOB management; HHHL
900-9D250-0048-ST1	MBF2 M345A-HECOT	MT_0 00000 0716	BlueField-2 E-Series DPU; 200GbE/HDR single-port QSFP56; PCIe Gen4 x16; Secure Boot Enabled; Crypto Enabled; 16GB on-board DDR; 1GbE OOB management; HHHL
900-9D218-0073-ST1	MBF2H 512C-AESOT	MT_0 00000 0723	BlueField-2 P-Series DPU 25GbE Dual-Port SFP56; integrated BMC; PCIe Gen4 x8; Secure Boot Enabled; Crypto Disabled; 16GB on-board DDR; 1GbE OOB management; FHHL
900-9D218-0083-ST2	MBF2H 512C-AECOT	MT_0 00000 0724	BlueField-2 P-Series DPU 25GbE Dual-Port SFP56; integrated BMC; PCIe Gen4 x8; Secure Boot Enabled; Crypto Enabled; 16GB on-board DDR; 1GbE OOB management; FHHL

NVIDIA SKU	Legacy OPNs	PSID	Description
900-9D208-0086-ST4	MBF2 M516C -EECOT	MT_0 00000 0728	BlueField-2 E-Series DPU 100GbE/EDR/HDR100 VPI Dual-Port QSFP56; integrated BMC; PCIe Gen4 x16; Secure Boot Enabled; Crypto Enabled; 16GB on-board DDR; 1GbE OOB management; Tall Bracket; FHHL
900-9D208-0086-SQ0	MBF2H 516C-CECOT	MT_0 00000 0729	BlueField-2 P-Series DPU 100GbE Dual-Port QSFP56; integrated BMC; PCIe Gen4 x16; Secure Boot Enabled; Crypto Enabled; 16GB on-board DDR; 1GbE OOB management; Tall Bracket; FHHL
900-9D208-0076-ST5	MBF2 M516C -CESOT	MT_0 00000 0731	BlueField-2 E-Series DPU 100GbE Dual-Port QSFP56; integrated BMC; PCIe Gen4 x16; Secure Boot Enabled; Crypto Disabled; 16GB on-board DDR; 1GbE OOB management; Tall Bracket; FHHL
900-9D208-0076-ST6	MBF2 M516C -EESOT	MT_0 00000 0732	BlueField-2 E-Series DPU 100GbE/EDR/HDR100 VPI Dual-Port QSFP56; integrated BMC; PCIe Gen4 x16; Secure Boot Enabled; Crypto Disabled; 16GB on-board DDR; 1GbE OOB management; Tall Bracket; FHHL
900-9D208-0086-ST3	MBF2 M516C -CECOT	MT_0 00000 0733	BlueField-2 E-Series DPU 100GbE Dual-Port QSFP56; integrated BMC; PCIe Gen4 x16; Secure Boot Enabled; Crypto Enabled; 16GB on-board DDR; 1GbE OOB management; Tall Bracket; FHHL
900-9D208-0076-ST2	MBF2H 516C-EESOT	MT_0 00000 0737	BlueField-2 P-Series DPU 100GbE/EDR/HDR100 VPI Dual-Port QSFP56; integrated BMC; PCIe Gen4 x16; Secure Boot Enabled; Crypto Disabled; 16GB on-board DDR; 1GbE OOB management; Tall Bracket; FHHL
900-9D208-0076-ST1	MBF2H 516C-CESOT	MT_0 00000 0738	BlueField-2 P-Series DPU 100GbE Dual-Port QSFP56; integrated BMC; PCIe Gen4 x16; Secure Boot Enabled; Crypto Disabled; 16GB on-board DDR; 1GbE OOB management; Tall Bracket; FHHL
900-9D218-0083-ST4	MBF2H 532C-AECOT	MT_0 00000 0765	BlueField-2 P-Series DPU 25GbE Dual-Port SFP56; integrated BMC; PCIe Gen4 x8; Secure Boot Enabled; Crypto Enabled; 32GB on-board DDR; 1GbE OOB management; FHHL
900-9D218-0073-ST0	MBF2H 532C-AESOT	MT_0 00000 0766	BlueField-2 P-Series DPU 25GbE Dual-Port SFP56; integrated BMC; PCIe Gen4 x8; Secure Boot Enabled; Crypto Disabled; 32GB on-board DDR; 1GbE OOB management; FHHL



NVIDIA SKU	Legacy OPNs	PSID	Description
900-9D208-0076-ST3	MBF2H 536C-CESOT	MT_0 00000 0767	BlueField-2 P-Series DPU 100GbE Dual-Port QSFP56; integrated BMC; PCIe Gen4 x16; Secure Boot Enabled; Crypto Disabled; 32GB on-board DDR; 1GbE OOB management; FHHL
900-9D208-0086-ST2	MBF2H 536C-CECOT	MT_0 00000 0768	BlueField-2 P-Series DPU 100GbE Dual-Port QSFP56; integrated BMC; PCIe Gen4 x16; Secure Boot Enabled; Crypto Enabled; 32GB on-board DDR; 1GbE OOB management; FHHL
900-9D218-0073-ST4	MBF2H 512C-AEUOT	MT_0 00000 0972	BlueField-2 P-Series DPU 25GbE Dual-Port SFP56; integrated BMC; PCIe Gen4 x8; Secure Boot Enabled with UEFI disabled; Crypto Disabled; 16GB on-board DDR; 1GbE OOB management
900-9D208-0076-STA	MBF2H 516C-CEUOT	MT_0 00000 0973	BlueField-2 P-Series DPU 100GbE Dual-Port QSFP56; integrated BMC; PCIe Gen4 x16; Secure Boot Enabled with UEFI disabled; Crypto Disabled; 16GB on-board DDR; 1GbE OOB management
900-9D208-0076-STB	MBF2H 536C-CEUOT	MT_0 00000 1008	BlueField-2 P-Series DPU 100GbE Dual-Port QSFP56; integrated BMC; PCIe Gen4 x16; Secure Boot Enabled with UEFI Disabled; Crypto Disabled; 32GB on-board DDR; 1GbE OOB management; FHHL
69914 02800 00	N/A	NVD0 00000 0020	ZAM/NAS

## Embedded Software

The BlueField installation DOCA local repo package for this release is

`DOCA_2.9.1_BSP_4.9.1_Ubuntu_22.04-2.23-07.prod.bfb.`

The following software components are embedded in it:

Component	Version	Description
BlueField-3 NIC firmware	32.43.2402	Firmware is used to run user programs on the BlueField-3 which allow hardware to run
BlueField-2 NIC firmware	24.43.2402	Firmware is used to run user programs on the BlueField-2 which allow hardware to run

Component	Version	Description
BMC firmware	<a href="#">24.10-17</a>	BlueField BMC firmware
BlueField-3 eROT (Glacier)	00.02.0195 .0000	BlueField-3 eROT firmware
BlueField-2 eROT (CEC)	04.0f	BlueField-2 eROT firmware

### 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 default operating system included with the BlueField bundle (for DPU and SuperNIC) is Ubuntu 22.04.

The supported operating systems on the host machine per DOCA-Host installation profile are the following:

### Note

Only the following generic kernel versions are supported for DOCA local repo package for host installation.

Operating System	Architecture	Default Kernel Version (Primary)/ Tested with Kernel Version (Community)	Supported DOCA Profile				OS Support Model	ASAP 2 OVS-Kernel SR-IOV	ASAP 2 OVS-DPDK SR-IOV	NFS - over - RDMA	NVMe	GPU Direct Storage (GDS)	UCX - CUDA Version
			do ca - all	doc a-net working	do ca - of ed	do ca - ro ce							
Alinux 3.2	x86	5.10.134-13.al8.x86_64	✓	✓	✓	✗	Primary	✗	✗	✗	✗	✗	✗
Alma 8.5	x86	4.18.0-348.12.2.EL8_5.X86_64	✗	✗	✓	✗	Community	✗	✗	✗	✗	✗	✗
Anolis OS 8.4	aarch64	4.18.0-348.2.1.AN8_4.aarch64	✗	✗	✓	✗	Community	✗	✗	✗	✗	✗	✗
	x86	4.18.0-305.AN8.X86_64	✗	✗	✓	✗	Community	✗	✗	✗	✗	✗	✗
Anolis OS 8.6	aarch64	5.10.134+	✗	✗	✓	✗	Primary	✗	✗	✗	✗	✗	✗
	x86	5.10.134+	✗	✗	✓	✗	Primary	✗	✗	✗	✗	✗	✗
Azure Linux 3.0	x86	6.6.35.1-5.azl3	✓	✓	✓	✗	Primary	✗	✗	✗	✗	✗	✗

Operating System	Architecture	Default Kernel Version (Primary)/ Tested with Kernel Version (Community)	Supported DOCA Profile				OS Support Model	ASAP 2 OVS-Kernel SR-IOV	ASAP 2 OVS-DPDK SR-IOV	NFS - over - RDMA	NVMe	GPU Direct Storage (GDS)	UCX - CUDA Version
			✓	✗	✓	✗							
BCLinux 21.1 OSP2	aarch64	4.19.90-2107.6.0.098.oe1.bclinux.aarch64	✗	✗	✓	✗	Primary	✗	✗	✗	✓	✗	✗
	x86_64	4.19.90-2107.6.0.100.oe1.bclinux.x86_64	✗	✗	✓	✗	Primary	✗	✗	✓	✓	✗	✗
BCLinux 22.10	aarch64	5.10.0-153.24.0.100.6.oe2203sp2.bclinux.aarch64	✗	✗	✓	✗	Primary	✗	✗	✗	✓	✗	✗
	x86_64	5.10.0-153.24.0.100.6.oe2203sp2.bclinux.x86_64	✗	✗	✓	✗	Primary	✗	✗	✓	✓	✗	✗
CentOS Stream 8	aarch64	4.18.0-552.EL8.AARCH64	✗	✗	✓	✗	Community	✗	✗	✗	✗	✗	✗
	x86_64	4.18.0-552.el8.x86_64	✗	✗	✓	✗	Community	✗	✗	✗	✗	✗	✗
CentOS	aarch	5.14.0-480.EL9.A	✗	✗	✓	✗	Community	✗	✗	✗	✗	✗	✗

Operating System	Architecture	Default Kernel Version (Primary)/ Tested with Kernel Version (Community)	Supported DOCA Profile				OS Support Model	ASAP 2 OVS-Kernel SR-IOV	ASAP 2 OVS-DPDK SR-IOV	NFS-over-RDMA	NVMe	GPU Direct Storage (GDS)	UCX-CUDA Version
Stream 9	64	ARCH64					ty						
	x86	5.14.0-480.el9.x86_64	✗	✗	✓	✗	Community	✗	✗	✗	✗	✗	✗
CTyunOS 22.06	arch64	4.19.90-2102.2.0.0066.ctl2.aarch64	✗	✗	✓	✗	Primary	✗	✗	✗	✗	✗	✗
	x86	4.19.90-2102.2.0.0066.ctl2.x86_64	✗	✗	✓	✗	Primary	✗	✗	✗	✗	✗	✗
CTyunOS 23.01	arch64	5.10.0-136.12.0.86.ctl3.aarch64	✓	✓	✓	✗	Primary	✗	✗	✗	✗	✗	✗
	x86	5.10.0-136.12.0.86.ctl3.x86_64	✓	✓	✓	✓	Primary	✗	✗	✗	✗	✗	✗
Debian 10.8	arch64	4.19.0-14-arm64	✗	✗	✓	✗	Primary	✗	✗	✗	✗	✗	✗
	x86	4.19.0-14-amd64	✓	✓	✓	✗	Primary	✗	✗	✗	✗	✗	✗
Debian 10.9	x86	4.19.0-14-amd64	✗	✗	✓	✗	Primary	✗	✗	✗	✗	✗	✗
	x86	4.19.0-16-amd64	✗	✗	✓	✗	Primary	✓	✗	✗	✓	✗	✗

Operating System	Architecture	Default Kernel Version (Primary)/ Tested with Kernel Version (Community)	Supported DOCA Profile				OS Support Model	ASAP 2 OVS-Kernel SR-IOV	ASAP 2 OVS-DPDK SR-IOV	NFS - over - RDMA	NVMe	GPUDirect Storage (GDS)	UCX - CUDA Version
			✓	✗	✓	✗							
Debian 10.13	arm64	4.19.0-21-arm64	✗	✗	✓	✗	Primary	✗	✗	✗	✗	✗	✗
	x86	4.19.0-21-amd64	✓	✓	✓	✗	Primary	✗	✗	✗	✗	✗	✗
Debian 11.3	arm64	5.10.0-13-arm64	✗	✗	✓	✗	Primary	✓	✗	✗	✓	✗	✗
	x86	5.10.0-13-amd64	✗	✗	✓	✗	Primary	✓	✗	✗	✓	✗	✗
Debian 12.1	arm64	6.1.0-10-arm64	✗	✗	✓	✗	Primary	✓	✗	✗	✓	✗	✗
	x86	6.1.0-10-amd64	✓	✓	✓	✗	Primary	✓	✗	✗	✓	✗	✗
Debian 12.5	arm64	6.1.0-18-arm64	✓	✗	✓	✗	Primary	✓	✗	✗	✓	✗	✗
	x86	6.1.0-18-amd64	✓	✗	✓	✗	Primary	✓	✗	✗	✓	✗	✗
Euler OS 2.0 SP9	arm64	4.19.90-vhulk2006.2.0.h171.eulerosv2r9.aarch64	✗	✗	✓	✗	Community	✗	✗	✗	✗	✗	✗
	x86	4.18.0-147.5.1.0.h269.eulero	✗	✗	✓	✗	Community	✗	✗	✗	✗	✗	✗

Operating System	Architecture	Default Kernel Version (Primary)/ Tested with Kernel Version (Community)	Supported DOCA Profile				OS Support Model	ASAP 2 OVS-Kernel SR-IOV	ASAP 2 OVS-DPDK SR-IOV	NFS - over - RDMA	NVMe	GPU Direct Storage (GDS)	UCX - CUDA Version
		sv2r9.x86_64											
Euler OS 2.0 SP10	aarch64	4.19.90-vhulk2110.1.0.h860.eulerosv2r10.aarch64	✗	✗	✓	✗	Community	✗	✗	✗	✗	✗	✗
	x86_64	4.18.0-147.5.2.4.h694.eulerosv2r10.x86_64	✗	✗	✓	✗	Community	✗	✗	✗	✗	✗	✗
Euler OS 2.0 SP11	aarch64	5.10.0-60.18.0.50.h323.eulerosv2r11.aarch64	✗	✗	✓	✗	Primary	✗	✗	✗	✗	✗	✗
	x86_64	5.10.0-60.18.0.50.h323.eulerosv2r11.x86_64	✗	✗	✓	✗	Primary	✗	✗	✗	✗	✗	✗
Euler OS 2.0 SP12	aarch64	5.10.0-136.12.0.86.h1032.eulerosv2r12.aarch64	✗	✗	✓	✗	Primary	✗	✗	✗	✗	✗	✗
	x86_64	5.10.0-136.12.0.86.h1032.e	✗	✗	✓	✗	Primary	✗	✗	✗	✗	✗	✗

Operating System	Architecture	Default Kernel Version (Primary)/ Tested with Kernel Version (Community)	Supported DOCA Profile				OS Support Model	ASAP 2 OVS-Kernel SR-IOV	ASAP 2 OVS-DPDK SR-IOV	NFS-over-RDMA	NVMe	GPU Direct Storage (GDS)	UCX-CUDA Version
		ulerosv2r12.x86_64											
Kylin 10 SP2	arch64	4.19.90-24.4.v2101.ky10.arch64	✗	✗	✓	✗	Primary	✗	✗	✗	✗	✗	✗
	x86	4.19.90-24.4.v2101.ky10.x86_64	✗	✗	✓	✗	Primary	✓	✗	✗	✗	✗	✗
Kylin 10 SP3	arch64	4.19.90-52.22.v2207.ky10.arch64	✗	✗	✓	✗	Primary	✓	✗	✗	✗	✗	✗
	x86	4.19.90-52.22.v2207.ky10.x86_64	✗	✗	✓	✗	Primary	✓	✗	✗	✗	✗	✗
Linux Kernel 6.11	arch64	6.11	✗	✗	✓	✗	Primary	✓	✗	✗	✓	✗	✗
	x86		✗	✗	✓	✗	Primary	✓	✗	✓	✓	✗	✗
Mariner 2.0	x86	5.15.148.2-2.cm2	✗	✗	✓	✗	Primary	✗	✗	✗	✗	✗	✗
Oracle Linux 7.9	x86	5.4.17-2011.6.2.el7uek.x86_64	✗	✗	✓	✗	Primary	✗	✗	✗	✗	✗	✗



Operating System	Architecture	Default Kernel Version (Primary)/ Tested with Kernel Version (Community)	Supported DOCA Profile				OS Support Model	ASAP 2 OVS-Kernel SR-IOV	ASAP 2 OVS-DPDK SR-IOV	NFS-over-RDMA	NVMe	GPU Direct Storage (GDS)	UCX - CUDA Version
			✓	✗	✓	✗							
Oracle Linux 8.4	x86	5.4.17-2102.201.3.el8uek.x86_64	✗	✗	✓	✗	Primary	✗	✗	✗	✗	✗	✗
Oracle Linux 8.6	x86	5.4.17-2136.307.3.1.el8uek.x86_64	✗	✗	✓	✗	Primary	✗	✗	✗	✗	✗	✗
Oracle Linux 8.7	x86	5.15.0-3.60.5.1.el8uek.x86_64	✓	✓	✓	✗	Primary	✗	✗	✗	✗	✗	✗
Oracle Linux 8.8	x86	5.15.0-101.103.2.1.el8uek.x86_64	✗	✗	✓	✗	Primary	✗	✗	✗	✗	✗	✗
Oracle Linux 9.1	x86	5.15.0-3.60.5.1.el9uek.x86_64	✗	✗	✓	✗	Primary	✗	✗	✗	✗	✗	✗
Oracle Linux 9.2	x86	5.15.0-101.103.2.1.el9uek.x86_64	✗	✗	✓	✗	Primary	✗	✗	✗	✗	✗	✗
OpenSUSE 15.3	arm64	-	✗	✗	✓	✗	Community	✗	✗	✗	✗	✗	✗
	x86	5.3.18-150300.59	✗	✗	✓	✗	Community	✗	✗	✗	✗	✗	✗

Operating System	Architecture	Default Kernel Version (Primary)/ Tested with Kernel Version (Community)	Supported DOCA Profile				OS Support Model	ASAP 2 OVS-Kernel SR-IOV	ASAP 2 OVS-DPDK SR-IOV	NFS - over - RDMA	NVMe	GPUDirect Storage (GDS)	UCX - CUDA Version
		.43-DEFAULT											
open Euler 20.03 SP1	arch64	4.19.90-2012.4.0.0053.OE1.arch64	✗	✗	✓	✗	Community	✗	✗	✗	✗	✗	✗
	x86	4.19.90-2110.8.0.0119.OE1.X86_64	✗	✗	✓	✗	Community	✗	✗	✗	✗	✗	✗
open Euler 20.03 SP3	arch64	4.19.90-2112.8.0.0131.oel.arch64	✗	✗	✓	✗	Primary	✗	✗	✗	✗	✗	✗
	x86	4.19.90-2112.8.0.0131.oel.x86_64	✗	✗	✓	✗	Primary	✗	✗	✗	✗	✗	✗
open Euler 22.03 SP1	x86	5.10.0-136.12.0.86.oe2203sp1.x86_64	✓	✗	✓	✗	Primary	✗	✗	✗	✗	✗	✗
open Euler 22.03 SP3	x86	5.10.0-182.0.0.95.oe2203sp3.x86_64	✓	✗	✓	✗	Primary	✗	✗	✗	✗	✗	✗
Photon	x86	4.19.225-3.ph3	✗	✗	✓	✗	Community	✗	✗	✗	✗	✗	✗

Operating System	Architecture	Default Kernel Version (Primary)/ Tested with Kernel Version (Community)	Supported DOCA Profile				OS Support Model	ASAP 2 OVS-Kernel SR-IOV	ASAP 2 OVS-DPDK SR-IOV	NFS - over - RDMA	NVMe	GPU Direct Storage (GDS)	UCX - CUDA Version
OS 3.0													
RHEL /Cent OS 8.0	aarch64	4.18.0-80.el8.aarch64	✗	✗	✓	✗	Primary	✓	✓	✗	✗	✓	12.6
	x86_64	4.18.0-80.el8.x86_64	✗	✗	✓	✗	Primary	✓	✓	✗	✗	✓	12.6
RHEL /Cent OS 8.1	aarch64	4.18.0-147.el8.aarch64	✗	✗	✓	✗	Primary	✓	✓	✗	✗	✓	12.6
	x86_64	4.18.0-147.el8.x86_64	✗	✗	✓	✗	Primary	✓	✓	✗	✗	✓	12.6
RHEL /Cent OS 8.2	aarch64	4.18.0-193.el8.aarch64	✗	✗	✓	✗	Primary	✓	✓	✗	✓	✓	12.6
	x86_64	4.18.0-193.el8.x86_64	✓	✓	✓	✗	Primary	✓	✓	✓	✓	✓	12.6
RHEL /Cent OS 8.3	aarch64	4.18.0-240.el8.aarch64	✗	✗	✓	✗	Primary	✓	✓	✗	✗	✓	12.6
	x86_64	4.18.0-240.el8.x86_64	✗	✗	✓	✗	Primary	✓	✓	✗	✗	✓	12.6
RHEL /Cent OS 8.4	aarch64	4.18.0-305.el8.aarch64	✗	✗	✓	✗	Primary	✓	✓	✗	✓	✓	12.6

Operating System	Architecture	Default Kernel Version (Primary)/ Tested with Kernel Version (Community)	Supported DOCA Profile				OS Support Model	ASAP 2 OVS-Kernel SR-IOV	ASAP 2 OVS-DPDK SR-IOV	NFS - over - RDMA	NVMe	GPUDirect Storage (GDS)	UCX - CUDA Version
			✓	✗	✓	✗							
OS 8.4	x86	4.18.0-305.el8.x86_64	✗	✗	✓	✗	Primary	✓	✓	✓	✓	✓	12.6
RHEL/CentOS 8.5	aarch64	4.18.0-348.el8.aarch64	✗	✗	✓	✗	Primary	✓	✓	✗	✓	✓	12.6
	x86	4.18.0-348.el8.x86_64	✗	✗	✓	✗	Primary	✓	✓	✓	✓	✓	12.6
RHEL/Rocky 8.6	aarch64	4.18.0-372.41.1.el8_6.aarch64	✗	✗	✓	✗	Primary	✓	✓	✗	✓	✓	12.6
	ppc64le	4.18.0-372.41.1.el8_6.ppc64le	✗	✗	✓	✗	Primary	✓	✓	✗	✓	✓	12.6
	x86	4.18.0-372.41.1.el8_6.x86_64	✓	✓	✓	✗	Primary	✓	✓	✓	✓	✓	12.6
RHEL/Rocky 8.7	aarch64	4.18.0-425.14.1.el8_7.aarch64	✗	✗	✓	✗	Primary	✓	✗	✗	✓	✓	12.6
	x86	4.18.0-425.14.1.el8_7.x86_64	✗	✗	✓	✗	Primary	✓	✗	✓	✓	✓	12.6

Operating System	Architecture	Default Kernel Version (Primary)/ Tested with Kernel Version (Community)	Supported DOCA Profile				OS Support Model	ASAP 2 OVS-Kernel SR-IOV	ASAP 2 OVS-DPDK SR-IOV	NFS - over - RDMA	NVMe	GPU Direct Storage (GDS)	UCX - CUDA Version
			✓	✓	✓	✗							
RHEL/Rocky 8.8	aarch64	4.18.0-477.10.1.el8_8.aarch64	✓	✓	✓	✗	Primary	✓	✗	✗	✓	✓	12.6
	ppc64le	4.18.0-477.10.1.el8_8.ppc64le	✗	✗	✓	✗	Primary	✓	✗	✗	✓	✓	12.6
	x86_64	4.18.0-477.10.1.el8_8.x86_64	✓	✓	✓	✓	Primary	✓	✗	✓	✓	✓	12.6
RHEL/Rocky 8.9	aarch64	4.18.0-513.5.1.el8_9.aarch64	✓	✓	✓	✗	Primary	✓	✗	✗	✓	✓	12.6
	ppc64le	4.18.0-513.5.1.el8_9.ppc64le	✗	✗	✓	✗	Primary	✓	✗	✗	✓	✓	12.6
	x86_64	4.18.0-513.5.1.el8_9.x86_64	✓	✓	✓	✓	Primary	✓	✗	✓	✓	✓	12.6
RHEL/Rocky 8.10	aarch64	4.18.0-553.el8_10.aarch64	✓	✓	✓	✗	Primary	✓	✗	✗	✓	✓	12.6
	ppc64le	4.18.0-553.el8_10.ppc64le	✗	✗	✓	✗	Primary	✓	✗	✗	✓	✓	12.6
	x86_64	4.18.0-553.el8_10	✓	✓	✓	✓	Primary	✓	✗	✓	✓	✓	12.6

Operating System	Architecture	Default Kernel Version (Primary)/ Tested with Kernel Version (Community)	Supported DOCA Profile				OS Support Model	ASAP 2 OVS-Kernel SR-IOV	ASAP 2 OVS-DPDK SR-IOV	NFS - over - RDMA	NVMe	GPU Direct Storage (GDS)	UCX - CUDA Version
		.x86_64											
RHEL/Rocky 9.0	aarch64	5.14.0-70.46.1.el9_0.aarch64	✗	✗	✓	✗	Primary	✓	✗	✗	✓	✓	12.6
	ppc64le	5.14.0-70.46.1.el9_0.ppc64le	✗	✗	✓	✗	Primary	✓	✗	✗	✓	✓	12.6
	x86	5.14.0-70.46.1.el9_0.x86_64	✗	✗	✓	✗	Primary	✓	✗	✓	✓	✓	12.6
RHEL/Rocky 9.1	aarch64	5.14.0-162.19.1.el9_1.aarch64	✗	✗	✓	✗	Primary	✓	✗	✗	✓	✓	12.6
	x86	5.14.0-162.19.1.el9_1.x86_64	✓	✓	✓	✗	Primary	✓	✗	✓	✓	✓	12.6
RHEL/Rocky 9.2	aarch64	5.14.0-284.11.1.el9_2.aarch64	✗	✗	✓	✗	Primary	✓	✗	✗	✓	✓	12.6
	ppc64le	5.14.0-284.11.1.el9_2.ppc64le	✗	✗	✓	✗	Primary	✓	✗	✗	✓	✓	12.6
	x86	5.14.0-284.11.1.el9_2.x86_64	✗	✗	✓	✓	Primary	✓	✗	✓	✓	✓	12.6

Operating System	Architecture	Default Kernel Version (Primary)/ Tested with Kernel Version (Community)	Supported DOCA Profile				OS Support Model	ASAP 2 OVS-Kernel SR-IOV	ASAP 2 OVS-DPDK SR-IOV	NFS - over - RDMA	NVMe	GPU Direct Storage (GDS)	UCX - CUDA Version
			✓	✗	✓	✗							
RHEL/Rocky 9.3	aarch64	5.14.0-362.8.1.el9_3.aarch64	✗	✗	✓	✗	Primary	✓	✗	✓	✓	✓	12.6
	ppc64le	5.14.0-362.8.1.el9_3.ppc64le	✗	✗	✓	✗	Primary	✓	✗	✓	✓	✓	12.6
	x86_64	5.14.0-362.8.1.el9_3.x86_64	✗	✗	✓	✓	Primary	✓	✗	✓	✓	✓	12.6
RHEL/Rocky 9.4	aarch64	5.14.0-427.13.1.el9_4.aarch64	✓	✓	✓	✗	Primary	✓	✗	✓	✓	✓	12.6
	ppc64le	5.14.0-427.13.1.el9_4.ppc64le	✗	✗	✓	✗	Primary	✓	✗	✓	✓	✓	12.6
	x86_64	5.14.0-427.13.1.el9_4.x86_64	✓	✓	✓	✓	Primary	✓	✗	✓	✓	✓	12.6
SLES 15 SP2	aarch64	5.3.18-22-default	✗	✗	✓	✗	Primary	✓	✓	✗	✓	✗	✗
	ppc64le	5.3.18-22-default	✗	✗	✓	✗	Primary	✓	✓	✗	✓	✗	✗
	x86_64	5.3.18-22-default	✗	✗	✓	✗	Primary	✓	✓	✓	✓	✗	✗

Operating System	Architecture	Default Kernel Version (Primary)/ Tested with Kernel Version (Community)	Supported DOCA Profile				OS Support Model	ASAP 2 OVS-Kernel SR-IOV	ASAP 2 OVS-DPDK SR-IOV	NFS - over - RDMA	NVMe	GPU Direct Storage (GDS)	UCX - CUDA Version
			✓	✗	✓	✗							
SLES 15 SP3	arch 64	5.3.18-57-default	✗	✗	✓	✗	Primary	✓	✗	✗	✓	✗	✗
	ppc64le	5.3.18-57-default	✗	✗	✓	✗	Primary	✓	✗	✗	✓	✗	✗
	x86	5.3.18-57-default	✗	✗	✓	✗	Primary	✓	✗	✓	✓	✗	✗
SLES 15 SP4	arch 64	5.14.21-150400.22-default	✗	✗	✓	✗	Primary	✓	✗	✗	✓	✗	✗
	ppc64le	5.14.21-150400.22-default	✗	✗	✓	✗	Primary	✓	✗	✗	✓	✗	✗
	x86	5.14.21-150400.22-default	✗	✗	✓	✗	Primary	✓	✗	✓	✓	✗	✗
SLES 15 SP5	arch 64	5.14.21-150500.53-default	✗	✗	✓	✗	Primary	✓	✗	✗	✓	✗	✗
	ppc64le	5.14.21-150500.53-default	✗	✗	✓	✗	Primary	✓	✗	✗	✓	✗	✗
	x86	5.14.21-150500.53-default	✗	✗	✓	✓	Primary	✓	✗	✓	✓	✗	✗
SLES 15 SP6	arch 64	6.4.0-150600.21-default	✗	✗	✓	✗	Primary	✓	✗	✓	✓	✗	✗



Operating System	Architecture	Default Kernel Version (Primary)/ Tested with Kernel Version (Community)	Supported DOCA Profile				OS Support Model	ASAP 2 OVS-Kernel SR-IOV	ASAP 2 OVS-DPDK SR-IOV	NFS-over-RDMA	NVMe	GPU Direct Storage (GDS)	UCX-CUDA Version
			✓	✗	✓	✗							
	ppc64le	6.4.0-150600.21-default	✗	✗	✓	✗	Primary	✓	✗	✓	✓	✗	✗
	x86	6.4.0-150600.21-default	✗	✗	✓	✓	Primary	✓	✗	✓	✓	✗	✗
TencentOS 3.3	arch64	5.4.119-19.0009.39	✗	✗	✓	✗	Primary	✗	✗	✗	✓	✗	✗
	x86	5.4.119-19.0009.39	✗	✗	✓	✗	Primary	✗	✗	✗	✓	✗	✗
Ubuntu 20.04	arch64	5.4.0-26-generic	✗	✗	✓	✗	Primary	✓	✓	✗	✓	✓	12.6
	ppc64le	5.4.0-26-generic	✗	✗	✓	✗	Primary	✓	✓	✗	✓	✓	12.6
	x86	5.4.0-26-generic	✓	✓	✓	✗	Primary	✓	✓	✓	✓	✓	12.6
Ubuntu 22.04	arch64	5.15.0-25-generic	✓	✓	✓	✗	Primary	✓	✓	✓	✓	✓	12.6
	ppc64le	5.15.0-25-generic	✗	✗	✓	✗	Primary	✓	✓	✓	✓	✓	12.6
	x86	5.15.0-25-generic	✓	✓	✓	✓	Primary	✓	✓	✓	✓	✓	12.6

Operating System	Architecture	Default Kernel Version (Primary)/ Tested with Kernel Version (Community)	Supported DOCA Profile				OS Support Model	ASAP 2 OVS-Kernel SR-IOV	ASAP 2 OVS-DPDK SR-IOV	NFS - over - RDMA	NVMe	GPUDirect Storage (GDS)	UCX - CUDA Version
			✓	✓	✓	✗							
Ubuntu 24.04	arm64	6.8.0-31-generic	✓	✓	✓	✗	Primary	✓	✓	✓	✓	✓	12.6
	ppc64le	6.8.0-31-generic	✗	✗	✓	✗	Primary	✓	✓	✓	✓	✓	12.6
	x86	6.8.0-31-generic	✓	✓	✓	✓	Primary	✓	✓	✓	✓	✓	12.6
Ubuntu 24.10	x86	6.11.0-8-generic	✗	✗	✓	✗	Primary	✓	✓	✓	✓	✓	12.4
UOS 20.1060	arm64	5.10.0-46.uel20.aarch64	✗	✗	✓	✗	Primary	✗	✗	✗	✗	✗	✗
	x86	5.10.0-46.uel20.x86_64	✗	✗	✓	✗	Primary	✗	✗	✗	✗	✗	✗
UOS 20.1060a	arm64	5.10.0-46.uelc20.aarch64	✗	✗	✓	✗	Primary	✗	✗	✗	✗	✗	✗
	x86	5.10.0-46.uelc20.x86_64	✗	✗	✓	✗	Primary	✗	✗	✗	✗	✗	✗

## Supported Open vSwitch

- 2.15.1

**Notice**  
This document is provided for information purposes only and shall not be regarded as a warranty of a certain functionality, condition, or quality of a product. NVIDIA Corporation (“NVIDIA”) makes no representations or warranties, expressed or implied, as to the accuracy or completeness of the information contained in this document and assumes no responsibility for any errors contained herein. NVIDIA shall have no liability for the consequences or use of such information or for any infringement of patents or other rights of third parties that may result from its use. This document is not a commitment to develop, release, or deliver any Material (defined below), code, or functionality. NVIDIA reserves the right to make corrections, modifications, enhancements, improvements, and any other changes to this document, at any time without notice. Customer should obtain the latest relevant information before placing orders and should verify that such information is current and complete. NVIDIA products are sold subject to the NVIDIA standard terms and conditions of sale supplied at the time of order acknowledgement, unless otherwise agreed in an individual sales agreement signed by authorized representatives of NVIDIA and customer (“Terms of Sale”). NVIDIA hereby expressly objects to applying any customer general terms and conditions with regards to the purchase of the NVIDIA product referenced in this document. No contractual obligations are formed either directly or indirectly by this document. NVIDIA products are not designed, authorized, or warranted to be suitable for use in medical, military, aircraft, space, or life support equipment, nor in applications where failure or malfunction of the NVIDIA product can reasonably be expected to result in personal injury, death, or property or environmental damage. NVIDIA accepts no liability for inclusion and/or use of NVIDIA products in such equipment or applications and therefore such inclusion and/or use is at customer’s own risk. NVIDIA makes no representation or warranty that products based on this document will be suitable for any specified use. Testing of all parameters of each product is not necessarily performed by NVIDIA. It is customer’s sole responsibility to evaluate and determine the applicability of any information contained in this document, ensure the product is suitable and fit for the application planned by customer, and perform the necessary testing for the application in order to avoid a default of the application or the product. Weaknesses in customer’s product designs may affect the quality and reliability of the NVIDIA product and may result in additional or different conditions and/or requirements beyond those contained in this document. NVIDIA accepts no liability related to any default, damage, costs, or problem which may be based on or attributable to: (i) the use of the NVIDIA product in any manner that is contrary to this document or (ii) customer product designs. No license, either expressed or implied, is granted under any NVIDIA patent right, copyright, or other NVIDIA intellectual property right under this document. Information published by NVIDIA regarding third-party products or services does not constitute a license from NVIDIA to use such products or services or a warranty or endorsement thereof. Use of such information may require a license from a third party under the patents or other intellectual property rights of the third party, or a license from NVIDIA under the patents or other intellectual property rights of NVIDIA. Reproduction of information in this document is permissible only if approved in advance by NVIDIA in writing, reproduced without alteration and in full compliance with all applicable export laws and regulations, and accompanied by all associated conditions, limitations, and notices. THIS DOCUMENT AND ALL NVIDIA DESIGN SPECIFICATIONS, REFERENCE BOARDS, FILES, DRAWINGS, DIAGNOSTICS, LISTS, AND OTHER DOCUMENTS (TOGETHER AND SEPARATELY, “MATERIALS”) ARE BEING PROVIDED “AS IS.” NVIDIA MAKES NO WARRANTIES, EXPRESSED, IMPLIED, STATUTORY, OR OTHERWISE WITH RESPECT TO THE MATERIALS, AND EXPRESSLY DISCLAIMS ALL IMPLIED WARRANTIES OF NONINFRINGEMENT, MERCHANTABILITY, AND FITNESS FOR A PARTICULAR PURPOSE. TO THE EXTENT NOT PROHIBITED BY LAW, IN NO EVENT WILL NVIDIA BE LIABLE FOR ANY DAMAGES, INCLUDING WITHOUT LIMITATION ANY DIRECT, INDIRECT, SPECIAL, INCIDENTAL, PUNITIVE, OR CONSEQUENTIAL DAMAGES, HOWEVER CAUSED AND REGARDLESS OF THE THEORY OF LIABILITY, ARISING OUT OF ANY USE OF THIS DOCUMENT, EVEN IF NVIDIA HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. Notwithstanding any damages that customer might incur for any reason whatsoever, NVIDIA’s aggregate and cumulative liability towards customer for the products described herein shall be limited in accordance with the Terms of Sale for the product. **Trademarks** NVIDIA and the NVIDIA logo are trademarks and/or registered trademarks of NVIDIA Corporation in the U.S. and other countries. Other company and product names may be trademarks of the respective companies with which they are associated.

© Copyright 2025, NVIDIA. PDF Generated on 03/09/2025