

DPU and ConnectX-6 SmartNIC Adapters Linecard



Part Number	Description	Technology	Max Speed	Connector Type	Ports	PCIe (Optional)	Support Required	ECCN
BlueField DPUs								
MBF1M332A-AECAT	NVIDIA MBF1M332A-AECAT BlueField SmartNIC DPU 25GbE	Ethernet	25GbE	SFP28	Dual	Gen 3 or 4 x16 x8	Required	5A002.a
MBF1M332A-AENAT	NVIDIA MBF1M332A-AENAT BlueField SmartNIC DPU 25GbE	Ethernet	25GbE	SFP28	Dual	Gen 3 or 4 x16 x8	Required	5A991
MBF1M332A-ASCAT	NVIDIA MBF1M332A-ASCAT BlueField SmartNIC DPU 25GbE	Ethernet	25GbE	SFP28	Dual	Gen 3 or 4 x16 x8	Required	5A002.a
MBF1M332A-ASNAT	NVIDIA MBF1M332A-ASNAT BlueField SmartNIC DPU 25GbE	Ethernet	25GbE	SFP28	Dual	Gen 3 or 4 x16 x8	Required	5A991
MBF1L516B-CSNAT	NVIDIA MBF1L516B-CSNAT BlueField SmartNIC DPU 100GbE	Ethernet	100GbE	QSFP28	Dual	Gen 3 or 4 x16 x8	Required	5A991
MBF1L516A-CSNAT	NVIDIA MBF1L516A-CSNAT BlueField SmartNIC DPU 100GbE	Ethernet	100GbE	QSFP28	Dual	Gen 3 or 4 x16 x8	Required	5A991
MBF1L516A-CSCAT	NVIDIA MBF1L516A-CSCAT BlueField SmartNIC DPU 100GbE	Ethernet	100GbE	QSFP28	Dual	Gen 3 or 4 x16 x8	Required	5A002.a
BlueField-2 DPUs								
MBF2H322A-AECOT	NVIDIA MBF2H322A-AECOT BlueField-2 SmartNIC P-Series DPU 25GbE	Ethernet	25GbE	SFP56	Dual	Gen 4 x16 x8	Required	5A002.a
MBF2H322A-AEEOT	NVIDIA MBF2H322A-AEEOT BlueField-2 SmartNIC P-Series DPU 25GbE	Ethernet	25GbE	SFP56	Dual	Gen 4 x16 x8	Required	5A002.a.1
MBF2H322A-AENET	NVIDIA MBF2H322A-AENET BlueField-2 SmartNIC P-Series DPU 25GbE	Ethernet	25GbE	SFP56	Dual	Gen 4 x16 x8	Required	5A991
MBF2H332A-AECOT	NVIDIA MBF2H332A-AECOT BlueField-2 SmartNIC P-Series DPU 25GbE	Ethernet	25GbE	SFP56	Dual	Gen 4 x16 x8	Required	5A002.a
MBF2H332A-AEEOT	NVIDIA MBF2H332A-AEEOT BlueField-2 SmartNIC P-Series DPU 25GbE	Ethernet	25GbE	SFP56	Dual	Gen 4 x16 x8	Required	5A002.a
MBF2H332A-AENOT	NVIDIA MBF2H332A-AENOT BlueField-2 SmartNIC P-Series DPU 25GbE	Ethernet	25GbE	SFP56	Dual	Gen 4 x16 x8	Required	5A991
MBF2H516A-CEEOT	NVIDIA MBF2H516A-CEEOT BlueField-2 SmartNIC P-Series DPU 100GbE	Ethernet	100GbE	QSFP56	Dual	Gen 4 x16 x8	Required	5A002.a
MBF2M322A-AECOT	NVIDIA MBF2M322A-AECOT BlueField-2 SmartNIC E-Series DPU 25GbE	Ethernet	25GbE	SFP56	Dual	Gen 4 x16 x8	Required	5A002.a
MBF2M322A-AEEOT	NVIDIA MBF2M322A-AEEOT BlueField-2 SmartNIC E-Series DPU 25GbE	Ethernet	25GbE	SFP56	Dual	Gen 4 x16 x8	Required	5A002.a
MBF2M322A-AENET	NVIDIA MBF2M322A-AENET BlueField-2 SmartNIC E-Series DPU 25GbE	Ethernet	25GbE	SFP56	Dual	Gen 4 x16 x8	Required	5A991
MBF2M322A-AENOT	NVIDIA MBF2M322A-AENOT BlueField-2 SmartNIC E-Series DPU 25GbE	Ethernet	25GbE	SFP56	Dual	Gen 4 x16 x8	Required	5A991
MBF2M516A-CENOT	NVIDIA MBF2M516A-CENOT BlueField-2 SmartNIC E-Series DPU 100GbE	Ethernet	100GbE	QSFP56	Dual	Gen 4 x16 x8	Required	5A991
MBF2M516A-CEEOT	NVIDIA MBF2M516A-CEEOT BlueField-2 SmartNIC E-Series DPU 100GbE	Ethernet	100GbE	QSFP56	Dual	Gen 4 x16 x8	Required	5A002.a

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DPU and ConnectX-6 SmartNIC Adapters Linecard



Part Number	Description	Technology	Max Speed	Connector Type	Ports	PCIe (Optimal)	Support Required	ECCN
BlueField-2 DPUs								
MBF2H516A-EEEOT	NVIDIA MBF2H516A-EEEOT BlueField-2 SmartNIC P-Series DPU 100GbE/EDR/HDR100	InfiniBand	100GbE EDR HDR100	QSFP56	Dual	Gen 4 x16 x8	Required	5A002.a
MBF2M516A-EEEOT	NVIDIA MBF2M516A-EEEOT BlueField-2 SmartNIC E-Series DPU 100GbE/EDR/HDR100	InfiniBand	100GbE EDR HDR100	QSFP56	Dual	Gen 4 x16 x8	Required	5A002.a
Required Support for BlueField and BlueField-2 DPUs								
1 to 5 Year Silver Support available. See NVIDIA Networking Service and Support line card for details.								
ConnectX-6 DX EN SmartNIC Adapters								
MCX623432AC-ADAB	NVIDIA MCX623432AC-ADAB ConnectX-6 Dx EN Adapter Card OCP3.0 25GbE	Ethernet	25GbE	SFP28	Dual	Gen 3 or 4 x16	Recommended	5A002.a
MCX623432AE-ADAB	NVIDIA MCX623432AE-ADAB ConnectX-6 Dx EN Adapter Card OCP3.0 25GbE	Ethernet	25GbE	SFP28	Dual	Gen 3 or 4 x16	Recommended	5A002.a
MCX623432AN-ADAB	NVIDIA MCX623432AN-ADAB ConnectX-6 Dx EN Adapter Card OCP3.0 25GbE	Ethernet	25GbE	SFP28	Dual	Gen 3 or 4 x16	Recommended	5A002.a
MCX621102AE-ADAT	NVIDIA MCX621102AE-ADAT ConnectX-6 Dx EN Adapter Card 25GbE	Ethernet	25GbE	SFP28	Dual	Gen 3 or 4 x16	Recommended	5A002.a
MCX621102AN-ADAT	NVIDIA MCX621102AN-ADAT ConnectX-6 Dx EN Adapter Card 25GbE	Ethernet	25GbE	SFP28	Dual	Gen 3 or 4 x16	Recommended	5A991
MCX621102AN-ADAT	NVIDIA MCX621102AN-ADAT ConnectX-6 Dx EN Adapter Card 25GbE	Ethernet	25GbE	SFP28	Dual	Gen 3 or 4 x16	Recommended	5A991
MCX621102AC-ADAT	NVIDIA MCX621102AC-ADAT ConnectX-6 Dx EN Adapter Card 25GbE	Ethernet	25GbE	SFP28	Dual	Gen 3 or 4 x16	Recommended	5A002.a
MCX623102AN-ADAT	NVIDIA MCX623102AN-ADAT ConnectX-6 Dx EN Adapter Card 25GbE	Ethernet	25GbE	SFP28	Dual	Gen 3 or 4 x16	Recommended	5A991
MCX623102AC-GDAT	NVIDIA MCX623102AC-GDAT ConnectX-6 Dx EN Adapter Card 50GbE	Ethernet	50GbE	SFP56	Dual	Gen 3 or 4 x16	Recommended	5A002.a
MCX623102AE-GDAT	NVIDIA MCX623102AE-GDAT ConnectX-6 Dx EN Adapter Card 50GbE	Ethernet	50GbE	SFP56	Dual	Gen 3 or 4 x16	Recommended	5A002
MCX623102AN-GDAT	NVIDIA MCX623102AN-GDAT ConnectX-6 Dx EN Adapter Card 50GbE	Ethernet	50GbE	SFP56	Dual	Gen 3 or 4 x16	Recommended	5A991
MCX623432AC-GDAB	NVIDIA MCX623432AC-GDAB ConnectX-6 Dx EN Adapter Card OCP3.0 50GbE	Ethernet	50GbE	SFP56	Dual	Gen 3 or 4 x16	Recommended	5A002.a
MCX623432AN-GDAB	NVIDIA MCX623432AN-GDAB ConnectX-6 Dx EN Adapter Card OCP3.0 50GbE	Ethernet	50GbE	SFP56	Dual	Gen 3 or 4 x16	Recommended	5A991
MCX623105AC-CDAT	NVIDIA MCX623105AC-CDAT ConnectX-6 Dx EN Adapter Card 100GbE	Ethernet	100GbE	QSFP56	Single	Gen 3 or 4 x16	Recommended	5A002.a
MCX623105AN-CDAT	NVIDIA MCX623105AN-CDAT ConnectX-6 Dx EN Adapter Card 100GbE	Ethernet	100GbE	QSFP56	Single	Gen 3 or 4 x16	Recommended	5A991
MCX623106AC-CDAT	NVIDIA MCX623106AC-CDAT ConnectX-6 Dx EN Adapter Card 100GbE	Ethernet	100GbE	QSFP56	Dual	Gen 3 or 4 x16	Recommended	5A002.a

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ConnectX-6 DX EN SmartNIC Adapters								
MCX623106AE-CDAT	NVIDIA MCX623106AE-CDAT ConnectX-6 Dx EN Adapter Card 100GbE	Ethernet	100GbE	QSFP56	Dual	Gen 3 or 4 x16	Recommended	5A002.a
MCX623106AN-CDAT	NVIDIA MCX623106AN-CDAT ConnectX-6 Dx EN Adapter Card 100GbE	Ethernet	100GbE	QSFP56	Dual	Gen 3 or 4 x16	Recommended	5A991
MCX623106AS-CDAT	NVIDIA MCX623106AS-CDAT ConnectX-6 Dx EN Adapter Card 100GbE	Ethernet	100GbE	QSFP56	Dual	Gen 3 or 4 x16	Recommended	5A991
MCX623405AC-CDAN	NVIDIA MCX623405AC-CDAN ConnectX-6 Dx EN Adapter Card OCP2.0 100GbE	Ethernet	100GbE	QSFP56	Dual	Gen 3 or 4 x16	Recommended	5A002.a
MCX623405AN-CDAN	NVIDIA MCX623405AN-CDAN ConnectX-6 Dx EN Adapter Card OCP2.0 100GbE	Ethernet	100GbE	QSFP56	Single	Gen 3 or 4 x16	Recommended	5a991
MCX623435AC-CDAB	NVIDIA MCX623435AC-CDAB ConnectX-6 Dx EN Adapter Card OCP3.0 100GbE	Ethernet	100GbE	QSFP56	Single	Gen 3 or 4 x16	Recommended	5A002.a
MCX623435AE-CDAB	NVIDIA MCX623435AE-CDAB ConnectX-6 Dx EN Adapter Card OCP3.0 100GbE	Ethernet	100GbE	QSFP56	Single	Gen 3 or 4 x16	Recommended	5A002.a
MCX623435AN-CDAB	NVIDIA MCX623435AN-CDAB ConnectX-6 EN Adapter Card OCP3.0 100GbE	Ethernet	100GbE	QSFP56	Single	Gen 3 or 4 x16	Recommended	5A991
MCX623435MN-CDAB	NVIDIA MCX623435MN-CDAB ConnectX-6 Dx EN Adapter Card OCP3.0 100GbE	Ethernet	100GbE	QSFP56	Single	Gen 3 or 4 x16	Recommended	5A991
MCX623436AC-CDAB	NVIDIA MCX623436AC-CDAB ConnectX-6 Dx EN Adapter Card OCP3.0 100GbE	Ethernet	100GbE	QSFP56	Dual	Gen 3 or 4 x16	Recommended	5A002.a
MCX623436AE-CDAB	NVIDIA MCX623436AE-CDAB ConnectX-6 Dx EN Adapter Card OCP3.0 100GbE	Ethernet	100GbE	QSFP56	Dual	Gen 3 or 4 x16	Recommended	5A002.a
MCX623436AN-CDAB	NVIDIA MCX623436AN-CDAB ConnectX-6 Dx EN Adapter Card OCP3.0 100GbE	Ethernet	100GbE	QSFP56	Dual	Gen 3 or 4 x16	Recommended	5A991
MCX623106PN-CDAT	NVIDIA MCX623106PN-CDAT ConnectX-6 Dx EN Adapter Card 100GbE	Ethernet	100GbE	QSFP56	Dual	Gen 3 or 4 x16	Recommended	5A991
MCX623105AC-VDAT	NVIDIA MCX623105AC-VDAT ConnectX-6 Dx EN Adapter Card 200GbE	Ethernet	200GbE	QSFP56	Single	Gen 3 or 4 x16	Recommended	5A002.a
MCX623105AE-VDAT	NVIDIA MCX623105AE-VDAT ConnectX-6 Dx EN Adapter Card 200GbE	Ethernet	200GbE	QSFP56	Single	Gen 3 or 4 x16	Recommended	5A002.a
MCX623105AN-VDAT	NVIDIA MCX623105AN-VDAT ConnectX-6 Dx EN Adapter Card 200GbE	Ethernet	200GbE	QSFP56	Single	Gen 3 or 4 x16	Recommended	5A991
MCX623435AC-VDAB	NVIDIA MCX623435AC-VDAB ConnectX-6 Dx EN Adapter Card OCP3.0 200GbE	Ethernet	200GbE	QSFP56	Single	Gen 3 or 4 x16	Recommended	5A002.a
MCX623435AN-VDAB	NVIDIA MCX623435AN-VDAB ConnectX-6 Dx EN Adapter Card OCP3.0 200GbE	Ethernet	200GbE	QSFP56	Single	Gen 3 or 4 x16	Recommended	5A991
MCX614106A-CCAT	NVIDIA MCX614106A-CCAT ConnectX-6 EN Adapter Card 100GbE	Ethernet	100GbE	QSFP56	Dual	Gen 3 or 4 x16	Recommended	5A991
MCX614106A-CCAT	NVIDIA MCX614106A-CCAT ConnectX-6 EN Adapter Card 100GbE	Ethernet	100GbE	QSFP56	Dual	Gen 3 or 4 x16	Recommended	5A991
MCX614105A-VCAT	NVIDIA MCX614105A-VCAT ConnectX-6 EN Adapter Card 200GbE	Ethernet	200GbE	QSFP56	Single	Gen 3 or 4 x16	Recommended	5A991
MCX614106A-VCAT	NVIDIA MCX614106A-VCAT ConnectX-6 EN Adapter Card 200GbE	Ethernet	200GbE	QSFP56	Dual	Gen 3 or 4 x16	Recommended	5A991

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ConnectX-6 VPI SmartNIC Adapters								
MCX654106A-HCAT	NVIDIA MCX654106A-HCAT ConnectX-6 VPI Adapter Card HDR/200GbE	InfiniBand	HDR 200GbE	QSFP56	Dual	Gen 3 or 4 x16	Required	5A991
MCX654106A-ECAT	NVIDIA MCX654106A-ECAT ConnectX-6 VPI Adapter Card HDR100/EDR/100GbE	InfiniBand	HDR 100 ECR IB 100GbE	QSFP56	Dual	Gen 3 or 4 x16	Required	5A991
MCX654105A-HCAT	NVIDIA MCX654105A-HCAT ConnectX-6 VPI Adapter Card HDR/200GbE	InfiniBand	HDR 200GbE	QSFP56	Dual	Gen 3 or 4 x16	Required	5A991
MCX653436A-HDAI	NVIDIA MCX653436A-HDAI ConnectX-6 VPI Adapter Card OCP3.0 HDR/200GbE	InfiniBand	HDR 200GbE	QSFP56	Dual	Gen 3 or 4 x16	Required	5A991
MCX653435A-HDAI	NVIDIA MCX653435A-HDAI ConnectX-6 VPI Adapter Card OCP3.0 HDR/200GbE	InfiniBand	HDR 200GbE	QSFP56	Single	Gen 3 or 4 x16	Required	5A991
MCX653435A-EDAI	NVIDIA MCX653435A-EDAI ConnectX-6 VPI Adapter Card OCP3.0 HDR100/EDR/100GbE	InfiniBand	HDR 100 ECR IB 100GbE	QSFP56	Single	Gen 3 or 4 x16	Required	5A991
MCX653106A-HDAT-SP	NVIDIA MCX653106A-HDAT-SP ConnectX-6 VPI Adapter Card HDR/200GbE	InfiniBand	HDR 200GbE	QSFP56	Dual	Gen 3 or 4 x16	Required	5A991
MCX653106A-EFAT	NVIDIA MCX653106A-EFAT ConnectX-6 VPI Adapter Card HDR100/EDR/100GbE	InfiniBand	HDR 100 ECR IB 100GbE	QSFP56	Dual	Gen 3 or 4 x16	Required	5A991
MCX653106A-ECAT-SP	NVIDIA MCX653106A-ECAT-SP ConnectX-6 VPI Adapter Card HDR100/EDR/100GbE	InfiniBand	HDR 100 ECR IB 100GbE	QSFP56	Dual	Gen 3 or 4 x16	Required	5A991
MCX653105A-HDAT-SP	NVIDIA MCX653105A-HDAT-SP ConnectX-6 VPI Adapter Card HDR/200GbE	InfiniBand	HDR 200GbE	QSFP56	Single	Gen 3 or 4 x16	Required	5A991
MCX653105A-EFAT	NVIDIA MCX653105A-EFAT ConnectX-6 VPI Adapter Card HDR100/EDR/100GbE	infiniBand	HDR 100 ECR IB 100GbE	QSFP56	Single	Gen 3 or 4 x16	Required	5A991
MCX653105A-ECAT-SP	NVIDIA MCX653105A-ECAT-SP ConnectX-6 VPI Adapter Card HDR100/EDR/100GbE	infiniBand	HDR 100 ECR IB 100GbE	QSFP56	Single	Gen 3 or 4 x16	Required	5A991

Required Support for ConnectX-6 VPI SmartNIC Adapters

1 to 5 Year Silver Support available. See [NVIDIA Networking Service and Support line card](#) for details.

Cables for ConnectX-6 DX EN and ConnectX-6 EN SmartNIC Adapters

See [NVIDIA LINKX, Ethernet Cables and Transceivers Linecard](#) for details.

Cables for ConnectX-6 VDI and ConnectX-6 VPI SmartNIC Adapters

See [NVIDIA LINKX, Ethernet Cables and Transceivers Linecard](#) for details.

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