ConnectX-5 SmartNIC Linecard

PNY | NVIDIA

Part Number	Description	Technology	Max Speed	Connector Type	Ports	PCIe (Optimal)	Support Required	ECCN
ConnectX-5 Ethernet SmartNIC Adapters								
MCX512A-ACAT	NVIDIA MCX512A-ACAT ConnectX-5 EN Adapter Card 10/25GbE	Ethernet	25GbE	SFP28	Dual	Gen 3 x16	Recommended	5A991
MCX512F-ACAT	NVIDIA MCX512F-ACAT ConnectX-5 EN Adapter Card 25GbE	Ethernet	25GbE	SFP28	Dual	Gen 3 x16	Recommended	5A991
MCX542A-ACAN	NVIDIA MCX542A-ACAN ConnectX-5 EN Adapter Card OCP2.0 25GbE	Ethernet	25GbE	SFP28	Dual	Gen 3 x16	Recommended	5A991
MCX511F-ACAT	NVIDIA MCX511F-ACAT ConnectX-5 EN Adapter Card 25GbE	Ethernet	25GbE	SFP28	Dual	Gen 3 x16	Recommended	5A991
MCX542B-ACAN	NVIDIA MCX542B-ACAN ConnectX-5 EN Adapter Card OCP2.0 25GbE	Ethernet	25GbE	SFP28	Dual	Gen 3 x16	Recommended	5A991
MCX512A-ADAT	NVIDIA MCX512A-ADAT ConnectX-5 Ex EN Adapter Card 25GbE	Ethernet	25GbE	SFP28	Dual	Gen 4 x16 | Gen 3 x16	Recommended	5A991
MCX512A-ACUT	NVIDIA MCX512A-ACUT ConnectX-5 EN Adapter Card 10/25GbE	Ethernet	25GbE	SFP28	Dual	Gen 3 x16	Recommended	5A991
MCX562A-ACAI	NVIDIA MCX562A-ACAI ConnectX-5 EN Adapter Card OCP3.0 25GbE	Ethernet	25GbE	SFP28	Dual	Gen 3 x16	Recommended	5A991
MCX562A-ACAB	NVIDIA MCX562A-ACAB ConnectX-5 EN Adapter Card OCP3.0 25GbE	Ethernet	25GbE	SFP28	Dual	Gen 3 x16	Recommended	5A991
MCX516A-BDAT	NVIDIA MCX516A-BDAT ConnectX-5 Ex EN Adapter Card 40GbE	Ethernet	40GbE	QSFP28	Dual	Gen 4 x16 | Gen 3 x16	Recommended	5A991
MCX546A-BCAN	NVIDIA MCX546A-BCAN ConnectX-5 Ex EN Adapter Card OCP 40GbE	Ethernet	40GbE	QSFP28	Dual	Gen 4 x16 | Gen 3 x16	Recommended	5A991
MCX516A-GCAT	NVIDIA MCX516A-GCAT ConnectX-5 EN Adapter Card 50GbE	Ethernet	50GbE	QSFP28	Dual	Gen 3 x16	Recommended	5A991
MCX516A-CCAT	NVIDIA MCX516A-CCAT ConnectX-5 EN Adapter Card 100GbE	Etherhet	100GbE	QSFP28	Dual	Gen 3 x16	Recommended	5A991
MCX516A-CDAT	NVIDIA MCX516A-CDAT ConnectX-5 Ex EN Adapter Card 100GbE	Ethernet	100GbE	QSFP28	Dual	Gen 4 x16 | Gen 3 x16	Recommended	5A991
MCX515A-CCAT	NVIDIA MCX515A-CCAT ConnectX-5 EN Adapter Card 100GbE	Ethernet	100GbE	QSFP28	Dual	Gen 3 x16	Recommended	5A991
MCX546A-CDAN	NVIDIA MCX546A-CDAN ConnectX-5 Ex EN Adapter Card OCP2.0 100GbE	Ethernet	100GbE	QSFP28	Dual	Gen 4 x16 | Gen 3 x16	Recommended	5A991
MCX516A-CCHT	NVIDIA MCX516A-CCHT ConnectX-5 EN Adapter Card 100GbE	Ethernet	100GbE	QSFP28	Dual	Gen 3 x16	Recommended	5A991
MCX515A-CCUT	NVIDIA MCX515A-CCUT ConnectX-5 EN Adapter Card 100GbE	Ethernet	100GbE	QSFP28	Dual	Gen 3 x16	Recommended	5A991
MCX565M-CDAB	NVIDIA MCX565M-CDAB ConnectX-5 Ex EN Adapter Card OCP3.0 100GbE	Ethernet	100GbE	QSFP28	Single	Gen 4 x16 | Gen 3 x16	Recommended	5A991
MCX566A-CDAI	NVIDIA MCX566A-CDAI ConnectX-5 Ex EN Adapter Card OCP3.0 100GbE	Ethernet	100GbE	QSFP28	Dual	Gen 4 x16 | Gen 3 x16	Recommended	5A991

For more information, contact a PNY account manager or email **GOPNY@PNY.COM**
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Part Number	Description	Technology	Max Speed	Connector Type	Ports	PCIe (Optimal)	Support Required	ECCN
ConnectX-5 Ethernet SmartNIC Adapters								
MCX545A-CCUN	NVIDIA MCX545A-CCUN ConnectX-5 EN Adapter Card OCP2.0 100GbE	Ethernet	100GbE	QSFP28	Single	Gen 3 x16	Recommended	5A991
MCX566A-CDAB	NVIDIA MCX566A-CDAB ConnectX-5 Ex EN Adapter Card OCP3.0 100GbE	Ethernet	100GbE	QSFP28	Dual	Gen 4 x16	Gen 3 x16	Recommended	5A991
MCX565M-CDAI	NVIDIA MCX565M-CDAI ConnectX-5 Ex EN Adapter Card OCP3.0 100GbE	Ethernet	100GbE	QSFP28	Single	Gen 4 x16	Gen 3 x16	Recommended	5A991
MCX545A-CCAN	NVIDIA MCX545A-CCAN ConnectX-5 EN Adapter Card OCP2.0 100GbE	Ethernet	100GbE	QSFP28	Single	Gen 3 x16	Recommended	5A991
ConnectX-5 InfiniBand SmartNIC Adapters								
MCX556A-ECAT	NVIDIA MCX556A-ECAT ConnectX-5 VPI Adapter Card EDR/100GbE	InfiniBand	EDR	100GbE	QSFP28	Dual	Gen 4 x16	Gen 3 x16	Required	5A991
MCX556A-EDAT	NVIDIA MCX556A-EDAT ConnectX-5 Ex VPI Adapter Card EDR/100GbE	InfiniBand	EDR	100GbE	QSFP28	Dual	Gen 4 x16	Gen 3 x16	Required	5A991
MCX555A-ECAT	NVIDIA MCX555A-ECAT ConnectX-5 VPI Adapter Card EDR/100GbE	InfiniBand	EDR	100GbE	QSFP28	Single	Gen 4 x16	Gen 3 x16	Required	5A991
MCX556A-ECUT	NVIDIA MCX556A-ECUT ConnectX-5 VPI Adapter Card EDR/100GbE	InfiniBand	EDR	100GbE	QSFP28	Dual	Gen 4 x16	Gen 3 x16	Required	5A991
MCX556M-ECAT-S25	NVIDIA MCX556M-ECAT-S25 ConnectX-5 VPI Adapter Card EDR/100GbE	InfiniBand	EDR	100GbE	QSFP28	Dual	Gen 4 x16	Gen 3 x16	Required	5A991
MCX545B-ECAN	NVIDIA MCX545B-ECAN ConnectX-5 VPI Adapter Card OCP EDR/100GbE	InfiniBand	EDR	100GbE	QSFP28	Single	Gen 4 x16	Gen 3 x16	Required	5A991
MCX546A-EDAN	NVIDIA MCX546A-EDAN ConnectX-5 Ex VPI Adapter Card OCP2.0 EDR/100GbE	InfiniBand	EDR	100GbE	QSFP28	Dual	Gen 4 x16	Gen 3 x16	Required	5A991

Recommended Support for ConnectX-5 Ethernet SmartNIC Adapters

1 to 5 Year Silver Support available. **See NVIDIA Networking Service and Support line card for details**

Required Support for ConnectX-5 InfiniBand SmartNIC Adapters

1 to 5 Year Silver Support available. **See NVIDIA Networking Service and Support line card for details**

Cables for ConnectX-5 25GbE, 50GbE or 100GbE SmartNIC Adapters

See NVIDIA LINKX, Ethernet Cables and Transceivers Linecard for details.

Cables for ConnectX-5 InfiniBand SmartNIC Adapters

See NVIDIA LINKX, InfiniBand Cables and Transceivers Linecard for details.

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Part Number	Description	Technology	Max Speed	Connector Type	Ports	PCIe (Optimal)	Support Required	ECCN
ConnectX-4 Ethernet SmartNIC Adapters								
MCX4111A-ACAT	NVIDIA MCX4111A-ACAT ConnectX-4 Lx EN Adapter Card 25GbE	Ethernet	25GbE	SFP28	Single	PCIe 3 x16	Recommended	5A991
Recommended Support for ConnectX-4 Ethernet SmartNIC Adapters								
	1 to 5 Year Silver Support available. See NVIDIA Networking Service and Support line card for details.							
Cables for ConnectX-4 10GbE, 25GbE, 40GbE or 50GbE SmartNIC Adapters								
	See NVIDIA LINKX, Ethernet Cables and Transceivers Linecard for details.							

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