

Ethernet Switches Linecard



| Part Number | Description | Technology | Operating System | Max Speed | Connector Type | Ports | Support Required | ECCN |
|---|--|------------|------------------|-----------|----------------|------------|------------------|-------|
| Ethernet SN4000 Series Switches - Ideal Data Center Switches for Cloud, Ethernet Storage Fabrics, and Machine Learning Solutions | | | | | | | | |
| MSN4600-CS2F | NVIDIA MSN4600-CS2F Spectrum-3 100GbE 2U Open Ethernet Switch | Ethernet | Onyx | 100GbE | QSFP28 | 64x 100GbE | Recommended | 5A991 |
| MSN4600-CS2R | NVIDIA MSN4600-CS2R Spectrum-3 100GbE 2U Open Ethernet Switch | Ethernet | Onyx | 100GbE | QSFP28 | 64x 100GbE | Recommended | 5A991 |
| MSN4600-CS2FC | NVIDIA MSN4600-CS2FC Spectrum-3 100GbE 2U Open Ethernet Switch | Ethernet | Cumulus Linux | 100GbE | QSFP28 | 64x 100GbE | Required | 5A991 |
| MSN4600-CS2RC | NVIDIA MSN4600-CS2RC Spectrum-3 100GbE 2U Open Ethernet Switch | Ethernet | Cumulus Linux | 100GbE | QSFP28 | 64x 100GbE | Required | 5A991 |
| MSN4600-CS2FO | NVIDIA MSN4600-CS2FO Spectrum-3 100GbE 2U Open Ethernet Switch | Ethernet | ONIE/Bare Metal | 100GbE | QSFP28 | 64x 100GbE | Recommended | 5A991 |
| MSN4600-CS2RO | NVIDIA MSN4600-CS2RO Spectrum-3 100GbE 2U Open Ethernet Switch | Ethernet | ONIE/Bare Metal | 100GbE | QSFP28 | 64x 100GbE | Recommended | 5A991 |
| MSN4700-WS2F | NVIDIA MSN4700-WS2F Spectrum-3 400GbE 1U Open Ethernet Switch | Ethernet | Onyx | 400GbE | QSFPDD | 32x 400GbE | Recommended | 5A991 |
| MSN4700-WS2FC | NVIDIA MSN4700-WS2FC Spectrum-3 400GbE 1U Open Ethernet Switch | Ethernet | Cumulus Linux | 400GbE | QSFPDD | 32x 400GbE | Required | 5A991 |
| MSN4700-WS2FO | NVIDIA MSN4700-WS2FO Spectrum-3 400GbE 1U Open Ethernet Switch | Ethernet | ONIE/Bare Metal | 400GbE | QSFPDD | 32x 400GbE | Recommended | 5A991 |
| MSN4700-WS2R | NVIDIA MSN4700-WS2R Spectrum-3 400GbE 1U Open Ethernet Switch | Ethernet | Onyx | 400GbE | QSFPDD | 32x 400GbE | Recommended | 5A991 |
| MSN4700-WS2RC | NVIDIA MSN4700-WS2RC Spectrum-3 400GbE 1U Open Ethernet Switch | Ethernet | Cumulus Linux | 400GbE | QSFPDD | 32x 400GbE | Required | 5A991 |
| MSN4700-WS2RO | NVIDIA MSN4700-WS2RO Spectrum-3 400GbE 1U Open Ethernet Switch | Ethernet | ONIE/Bare Metal | 400GbE | QSFPDD | 32x 400GbE | Recommended | 5A991 |
| Ethernet SN3000 Series Switches - Industry Leading Data Center Focused Features, Performance, Scalability and Visibility | | | | | | | | |
| MSN3700-CS2F | NVIDIA MSN3700-CS2F Spectrum-2 100GbE 1U Open Ethernet Switch | Ethernet | Onyx | 100GbE | QSFP28 | 32x 100GbE | Recommended | 5A991 |
| MSN3700-CS2R | NVIDIA MSN3700-CS2R Spectrum-2 100GbE 1U Open Ethernet Switch | Ethernet | Onyx | 100GbE | QSFP28 | 32x 100GbE | Recommended | 5A991 |
| MSN3700-VS2F | NVIDIA MSN3700-VS2F Spectrum-2 200GbE 1U Open Ethernet Switch | Ethernet | Onyx | 200GbE | QSFP56 | 32x 200GbE | Recommended | 5A991 |
| MSN3700-VS2R | NVIDIA MSN3700-VS2R Spectrum-2 200GbE 1U Open Ethernet Switch | Ethernet | Onyx | 200GbE | QSFP56 | 32x 200GbE | Recommended | 5A991 |
| MSN3700-CS2FC | NVIDIA MSN3700-CS2FC Spectrum-2 100GbE 1U Open Ethernet Switch | Ethernet | Cumulus Linux | 100GbE | QSFP28 | 32x 100GbE | Required | 5A991 |
| MSN3700-CS2RC | NVIDIA MSN3700-CS2RC Spectrum-2 100GbE 1U Open Ethernet Switch | Ethernet | Cumulus Linux | 100GbE | QSFP28 | 32x 100GbE | Required | 5A991 |
| MSN3700-VS2FC | NVIDIA MSN3700-VS2FC Spectrum-2 200GbE 1U Open Ethernet Switch | Ethernet | Cumulus Linux | 200GbE | QSFP56 | 32x 200GbE | Required | 5A991 |
| MSN3700-VS2RC | NVIDIA MSN3700-VS2RC Spectrum-2 200GbE 1U Open Ethernet Switch | Ethernet | Cumulus Linux | 200GbE | QSFP56 | 32x 200GbE | Required | 5A991 |
| MSN3700-CS2FO | NVIDIA MSN3700-CS2FO Spectrum-2 100GbE 1U Open Ethernet Switch | Ethernet | ONIE/Bare Metal | 100GbE | QSFP28 | 32x 100GbE | Recommended | 5A991 |
| MSN3700-CS2RO | NVIDIA MSN3700-CS2RO Spectrum-2 100GbE 1U Open Ethernet Switch | Ethernet | ONIE/Bare Metal | 100GbE | QSFP28 | 32x 100GbE | Recommended | 5A991 |

For more information, contact a PNY account manager or email GOPNY@PNY.COM
WWW.PNY.COM/NETWORKING

| Part Number | Description | Technology | Operating System | Max Speed | Connector Type | Ports | Support Required | ECCN |
|---|--|------------|------------------|-----------|----------------|------------------------|------------------|-------|
| Ethernet SN3000 Series Switches - Industry Leading Data Center Focused Features, Performance, Scalability and Visibility | | | | | | | | |
| MSN3700-VS2FO | NVIDIA MSN3700-VS2FO Spectrum-2 200GbE 1U Open Ethernet Switch | Ethernet | ONIE/Bare Metal | 200GbE | QSFP56 | 32x 200GbE | Recommended | 5A991 |
| MSN3700-VS2RO | NVIDIA MSN3700-VS2RO Spectrum-2 200GbE 1U Open Ethernet Switch | Ethernet | ONIE/Bare Metal | 200GbE | QSFP56 | 32x 200GbE | Recommended | 5A991 |
| MSN3420-CB2F | NVIDIA MSN3420-CB2F Spectrum-2 25GbE/100GbE 1U Open Ethernet Switch | Ethernet | Onyx | 100GbE | QSFP28 SFP28 | 48x 25GbE 12x 100GbE | Recommended | 5A991 |
| MSN3420-CB2R | NVIDIA MSN3420-CB2R Spectrum-2 25GbE/100GbE 1U Open Ethernet Switch | Ethernet | Onyx | 100GbE | QSFP28 SFP28 | 48x 25GbE 12x 100GbE | Recommended | 5A991 |
| MSN3420-CB2FC | NVIDIA MSN3420-CB2FC Spectrum-2 25GbE/100GbE 1U Open Ethernet Switch | Ethernet | Cumulus Linux | 100GbE | QSFP28 SFP28 | 48x 25GbE 12x 100GbE | Required | 5A991 |
| MSN3420-CB2RC | NVIDIA MSN3420-CB2RC Spectrum-2 25GbE/100GbE 1U Open Ethernet Switch | Ethernet | Cumulus Linux | 100GbE | QSFP28 SFP28 | 48x 25GbE 12x 100GbE | Required | 5A991 |
| MSN3420-CB2FO | NVIDIA MSN3420-CB2FO Spectrum-2 25GbE/100GbE 1U Open Ethernet Switch | Ethernet | ONIE/Bare Metal | 100GbE | QSFP28 SFP28 | 48x 25GbE 12x 100GbE | Recommended | 5A991 |
| MSN3420-CB2RO | NVIDIA MSN3420-CB2RO Spectrum-2 25GbE/100GbE 1U Open Ethernet Switch | Ethernet | ONIE/Bare Metal | 100GbE | QSFP28 SFP28 | 48x 25GbE 12x 100GbE | Recommended | 5A991 |
| Ethernet SN2000 Series Switches - Ideal for Leaf and Spine Data Center Solutions | | | | | | | | |
| MSN2010-CB2F | NVIDIA MSN2010-CB2F Spectrum 25GbE/100GbE 1U Open Ethernet Switch | Ethernet | Onyx | 100GbE | QSFP28 SPF28 | 18x 25GbE 4x 100GbE | Recommended | 5A991 |
| MSN2010-CB2R | NVIDIA MSN2010-CB2R Spectrum 25GbE/100GbE 1U Open Ethernet Switch | Ethernet | Onyx | 100GbE | QSFP28 SPF28 | 18x 25GbE 4x 100GbE | Recommended | 5A991 |
| MSN2100-BB2F | NVIDIA MSN2100-BB2F Spectrum 40GbE 1U Open Ethernet Switch | Ethernet | Onyx | 40GbE | QSFP28 | 16x 40GbE | Recommended | 5A991 |
| MSN2100-BB2R | NVIDIA MSN2100-BB2R Spectrum 40GbE 1U Open Ethernet Switch | Ethernet | Onyx | 40GbE | QSFP28 | 16x 40GbE | Recommended | 5A991 |
| MSN2010-CB2FC | NVIDIA MSN2010-CB2FC Spectrum 25GbE/100GbE 1U Open Ethernet Switch | Ethernet | Cumulus Linux | 100GbE | QSFP28 SPF28 | 18x 25GbE 4x 100GbE | Required | 5A991 |
| MSN2100-CB2RC | NVIDIA MSN2100-CB2RC Spectrum 100GbE 1U Open Ethernet Switch | Ethernet | Cumulus Linux | 100GbE | QSFP28 | 16x 100GbE | Required | 5A991 |
| MSN2100-BB2FC | NVIDIA MSN2100-BB2FC Spectrum 40GbE 1U Open Ethernet Switch | Ethernet | Cumulus Linux | 40GbE | QSFP28 | 16x 40GbE | Required | 5A991 |
| MSN2100-BB2RC | NVIDIA MSN2100-BB2RC Spectrum 40GbE 1U Open Ethernet Switch | Ethernet | Cumulus Linux | 40GbE | QSFP28 | 16x 40GbE | Required | 5A991 |
| MSN2100-CB2FO | NVIDIA MSN2100-CB2FO Spectrum 100GbE 1U Open Ethernet Switch | Ethernet | ONIE/Bare Metal | 100GbE | QSFP28 | 16x 100GbE | Recommended | 5A991 |
| MSN2100-CB2RO | NVIDIA MSN2100-CB2RO Spectrum 100GbE 1U Open Ethernet Switch | Ethernet | ONIE/Bare Metal | 100GbE | QSFP28 | 16x 100GbE | Recommended | 5A991 |

For more information, contact a PNY account manager or email GOPNY@PNY.COM
WWW.PNY.COM/NETWORKING

| Part Number | Description | Technology | Operating System | Max Speed | Connector Type | Ports | Support Required | ECCN |
|---|---|------------|------------------|-----------|----------------|-----------|------------------|-------|
| Ethernet SN2000 Series Switches - Ideal for Leaf and Spine Data Center Solutions | | | | | | | | |
| MSN2100-BB2FO | NVIDIA MSN2100-BB2FO Spectrum 40GbE 1U Open Ethernet Switch | Ethernet | ONIE/Bare Metal | 40GbE | QSFP28 | 16x 40GbE | Recommended | 5A991 |
| MSN2100-BB2RO | NVIDIA MSN2100-BB2RO Spectrum 40GbE 1U Open Ethernet Switch | Ethernet | ONIE/Bare Metal | 40GbE | QSFP28 | 16x 40GbE | Recommended | 5A991 |

Recommended Support by Ethernet Switch SN4000/SN3000/SN2000 Series Part Numbers

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

Rack Mount Kits

| | | | | | | | | |
|-------------------|--|---|---|---|---|---|---|---|
| NVIDIA MTEF-KIT-J | Rack Fixed Mounting Kit for SN3700 SN3700C SN3800 SN4600 SN4600C | - | - | - | - | - | - | - |
| NVIDIA MTEF-KIT-D | Rack Fixed Mounting Kit for SN2100 SN2010 | - | - | - | - | - | - | - |
| NVIDIA MTEF-KIT-E | Rack Fixed Mounting Kit for SN2100 SN2010 | - | - | - | - | - | - | - |
| NVIDIA MTEF-KIT-B | Rack Installation Kit for MSNxx Series Short Depth | - | - | - | - | - | - | - |

For more information, contact a PNY account manager or email GOPNY@PNY.COM
WWW.PNY.COM/NETWORKING

| Part Number | Description | Technology | Max Speed | Connector Type | Ports | Support Required | ECCN |
|---|--|------------|-----------|----------------|-------|------------------|-------|
| InfiniBand CS8500 800 Port InfiniBand Chassis Switch - Fastest Interconnect Speed for High Performance Computing and Cloud Infrastructures | | | | | | | |
| MCS8500 | NVIDIA MCS8500 320Tb/s 800-Port HDR InfiniBand Chassis | InfiniBand | HDR | QSFP56 | 800 | Required | 5A991 |
| InfiniBand CS8500 - Accessory Products | | | | | | | |
| AHX-22KW-350MM | NVIDIA AHX-22KW-350MM MCS85xx Liquid-to-Air Heat Exchanger | - | - | - | - | - | - |
| 900-00796 | NVIDIA 900-00796 MCS85xx Liquid-to-Liquid CDU | - | - | - | - | - | - |
| MTDF-MTN-A | NVIDIA MTDF-MTN-A MCS85xx Director Systems Maintenance Equipment Kit | - | - | - | - | - | - |
| MTDF-LCD-A | NVIDIA MTDF-LCD-A MCS85xx Director Systems 7" LCD Screen Tablet | - | - | - | - | - | - |
| MTDF-CP-B | NVIDIA MTDF-CP-B MCS85XX Director System Cable Supporter | - | - | - | - | - | - |
| MTDF-KIT-C | NVIDIA MTDF-KIT-C MCS85XX Systems Rail Kit | - | - | - | - | - | - |
| MTDF-CH-D | NVIDIA MTDF-CH-D MCS85XX Cable Holder | - | - | - | - | - | - |
| MTDF-LIQ-B | NVIDIA MTDF-LIQ-B MCS85xx Director Chassis 19 Liters PG25 Coolant | - | - | - | - | - | - |
| MTDF-LIQ-A | NVIDIA MTDF-LIQ-A MCS85xx Director Chassis Water Cooling Set | - | - | - | - | - | - |
| MQM8520-H | NVIDIA MQM8520-H Quantum HDR InfiniBand Spine Blade | - | - | - | - | - | - |
| MQM8510-H | NVIDIA MQM8510-H Quantum HDR InfiniBand Leaf Blade | - | - | - | - | - | - |
| MMB8500 | NVIDIA MMB8500 X86 Dual-Core Chassis Management Module | - | - | - | - | - | - |
| InfiniBand CS7500 648 Port Infiniband Chassis Switch - Highest Performing Fabric Solution in a 28U Form Factor | | | | | | | |
| MCS7500 | NVIDIA MCS7500 130Tb/s 648-Port EDR InfiniBand Chassis Switch | InfiniBand | EDR | QSFP28 | 648 | Required | 5A991 |
| InfiniBand CS7500 324 Port Infiniband Chassis Switch - Highest Performing Fabric Solution in a 16U Form Factor | | | | | | | |
| MCS7510 | NVIDIA MCS7510 65Tb/s 324-Port EDR InfiniBand Chassis Switch | InfiniBand | EDR | QSFP28 | 324 | Required | - |
| InfiniBand CS7520 216 Port Infiniband Chassis Switch - Highest Performing Fabric Solution in a 12U Form Factor | | | | | | | |
| MCS7520 | NVIDIA MCS7520 43Tb/s 216-Port EDR InfiniBand Chassis Switch | InfiniBand | EDR | QSFP28 | 216 | Required | 5A991 |

For more information, contact a PNY account manager or email GOPNY@PNY.COM
WWW.PNY.COM/NETWORKING

| Part Number | Description | Technology | Max Speed | Connector Type | Ports | Support Required | ECCN |
|--|--|------------|-------------|----------------|-------|------------------|-------|
| InfiniBand 8700 Series Quantum HDR InfiniBand Switches | | | | | | | |
| MQM8700-HS2F | NVIDIA MQM8700-HS2F Quantum HDR InfiniBand Switch | InfiniBand | HDR | QSFP56 | 40 | Required | 5A991 |
| MQM8700-HS2R | NVIDIA MQM8700-HS2R Quantum HDR InfiniBand Switch | InfiniBand | HDR | QSFP56 | 40 | Required | 5A991 |
| MQM8790-HS2F | NVIDIA MQM8790-HS2F Quantum HDR InfiniBand Switch | InfiniBand | HDR | QSFP56 | 40 | Required | 5A991 |
| MQM8790-HS2R | NVIDIA MQM8790-HS2R Quantum HDR InfiniBand Switch | InfiniBand | HDR | QSFP56 | 40 | Required | 5A991 |
| InfiniBand 7800 Series EDR InfiniBand Switches | | | | | | | |
| MSB7800-ES2F | NVIDIA MSB7800-ES2F Switch-IB 2 Based EDR InfiniBand 1U Switch | InfiniBand | EDR | QSFP28 | 36 | Required | 5A991 |
| MSB7890-ES2F | NVIDIA MSB7890-ES2F Switch-IB 2 Based EDR InfiniBand 1U Switch | InfiniBand | EDR | QSFP28 | 36 | Required | 5A991 |
| MSB7800-ES2R | NVIDIA MSB7800-ES2R Switch-IB 2 Based EDR InfiniBand 1U Switch | InfiniBand | EDR | QSFP28 | 36 | Required | 5A991 |
| MSB7890-ES2R | NVIDIA MSB7890-ES2R Switch-IB 2 Based EDR InfiniBand 1U Switch | InfiniBand | EDR | QSFP28 | 36 | Required | 5A991 |
| InfiniBand 7700 Series EDR InfiniBand Router | | | | | | | |
| MSB7780-ES2F | NVIDIA MSB7780-ES2F Switch-IB Based EDR InfiniBand 1U Router | InfiniBand | EDR | QSFP28 | 36 | Required | 5A991 |
| MSB7780-ES2R | NVIDIA MSB7780-ES2R Switch-IB Based EDR InfiniBand 1U Router | InfiniBand | EDR | QSFP28 | 36 | Required | 5A991 |
| InfiniBand to Ethernet Gateways | | | | | | | |
| MSX6710G-FS2F2 | NVIDIA MSX6710G-FS2F2 SwitchX-2 InfiniBand to Ethernet Gateway | InfiniBand | FDR 40GbE | QSFP+ | 36 | Recommended | 5A991 |
| MSX6710G-FS2R2 | NVIDIA MSX6710G-FS2R2 SwitchX-2 InfiniBand to Ethernet Gateway | InfiniBand | FDR 40GbE | QSFP+ | 36 | Recommended | 5A991 |
| Required Support InfiniBand CS8500/CS7500/CS7520 | | | | | | | |
| 1 to 5 Year Silver Support available. See NVIDIA Networking Service and Support line card for details. | | | | | | | |
| Required Support InfiniBand 8700 Series Quantum Switches | | | | | | | |
| 1 to 5 Year Silver Support available. See NVIDIA Networking Service and Support line card for details. | | | | | | | |
| Required Support InfiniBand 7800/7890 Series Switches | | | | | | | |
| SUP-SB7800-1S | 1 to 5 Year Silver Support available. See NVIDIA Networking Service and Support line card for details. | | | | | | |

For more information, contact a PNY account manager or email GOPNY@PNY.COM
WWW.PNY.COM/NETWORKING

InfiniBand Switches Linecard

| Part Number | Description | Technology | Max Speed | Connector Type | Ports | Support Required | ECCN |
|--|--|------------|-----------|----------------|-------|------------------|------|
| Required Support InfiniBand 7700 Series Routers | | | | | | | |
| SUP-SB7780-1S | 1 to 5 Year Silver Support available. See NVIDIA Networking Service and Support line card for details. | | | | | | |
| Recommended Support InfiniBand to Ethernet Gateways | | | | | | | |
| SUP-SX6710G-1S | 1 to 5 Year Silver Support available. See NVIDIA Networking Service and Support line card for details. | | | | | | |

For more information, contact a PNY account manager or email GOPNY@PNY.COM
WWW.PNY.COM/NETWORKING

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 |

For more information, contact a PNY account manager or email GOPNY@PNY.COM
WWW.PNY.COM/NETWORKING

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 |

For more information, contact a PNY account manager or email GOPNY@PNY.COM
WWW.PNY.COM/NETWORKING

DPU and ConnectX-6 SmartNIC Adapters Linecard



| Part Number | Description | Technology | Max Speed | Connector Type | Ports | PCIe (Optional) | Support Required | ECCN |
|---|---|------------|-----------|----------------|--------|-----------------|------------------|---------|
| 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 |

For more information, contact a PNY account manager or email GOPNY@PNY.COM
WWW.PNY.COM/NETWORKING

DPU and ConnectX-6 SmartNIC Adapters Linecard



| Part Number | Description | Technology | Max Speed | Connector Type | Ports | PCIe (Optimal) | Support Required | ECCN |
|---|---|------------|---------------------------|----------------|--------|----------------|------------------|-------|
| 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.

For more information, contact a PNY account manager or email GOPNY@PNY.COM
WWW.PNY.COM/NETWORKING

ConnectX-5 SmartNIC Linecard



| 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 | Ethernet | 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-CAI | NVIDIA MCX566A-CAI 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
WWW.PNY.COM/NETWORKING

| Part Number | Description | Technology | Max Speed | Connector Type | Ports | PCIe (Optional) | 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](#).

For more information, contact a PNY account manager or email GOPNY@PNY.COM
WWW.PNY.COM/NETWORKING

ConnectX-4 SmartNIC Linecard

| 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.

For more information, contact a PNY account manager or email GOPNY@PNY.COM
WWW.PNY.COM/NETWORKING

| Part Number | Description |
|--------------------------------------|---|
| Ethernet Switch 100GbE Cables | |
| MCP1600-C001E30N | Direct Attach Copper Cable QSFP28 100GbE/IB EDR 1m |
| MCP1600-C002E30N | Direct Attach Copper Cable QSFP28 100GbE/IB EDR 2m |
| MCP1600-C003E30N | Direct Attach Copper Cable QSFP28 100GbE/IB EDR 3m |
| MCP1600-C005E26N | Direct Attach Copper Cable QSFP28 100GbE/IB EDR 5m |
| MFA1A00-C003 | Active Optical fiber cable, ETH 100GbE, 100Gb/s, QSFP 3m |
| MFA1A00-C005 | Active Optical fiber cable, ETH 100GbE, 100Gb/s, QSFP 5m |
| MFA1A00-C010 | Active Optical fiber cable, ETH 100GbE, 100Gb/s, QSFP 10m |
| MFA1A00-C015 | Active Optical fiber cable, ETH 100GbE, 100Gb/s, QSFP 15m |
| MCP7F00-A001R30N | Splitter passive copper hybrid cable, ETH 100GbE to 4x25GbE, QSFP28 to 4xSFP28, 1m |
| MCP7F00-A003R26N | Splitter passive copper hybrid cable, ETH 100GbE to 4x25GbE, QSFP28 to 4xSFP28, 3m |
| MCP7H00-G02AR30L | Splitter passive copper hybrid cable, ETH 100Gb/s to 2x50Gb/s, QSFP28 to 2xQSFP28, 2.5m |
| MCP7H00-G003R26N | Splitter passive copper hybrid cable, ETH 100Gb/s to 2x50Gb/s, QSFP28 to 2xQSFP28, 3m |
| MFA7A50-C003 | Splitter active fiber hybrid solution, ETH 100GbE to 4x25GbE, QSFP28 to 4xSFP28, 3m |
| MFA7A50-C005 | Splitter active fiber hybrid solution, ETH 100GbE to 4x25GbE, QSFP28 to 4xSFP28, 5m |
| MFA7A50-C010 | Splitter active fiber hybrid solution, ETH 100GbE to 4x25GbE, QSFP28 to 4xSFP28, 10m |
| MFA7A50-C015 | Splitter active fiber hybrid solution, ETH 100GbE to 4x25GbE, QSFP28 to 4xSFP28, 15m |

View Corresponding Switch Data Sheet(s) for Other Available Products

Ethernet Switch 200GbE Cables

| | |
|-----------------|--|
| MCP1650-V001E30 | Direct Attach Copper Cable QSFP56 200GbE/IB HDR 1m |
| MCP1650-V01AE30 | Direct Attach Copper Cable QSFP56 200GbE/IB HDR 1.5m |

For more information, contact a PNY account manager or email GOPNY@PNY.COM
WWW.PNY.COM/NETWORKING

| Part Number | Description |
|--------------------------------------|--|
| Ethernet Switch 200GbE Cables | |
| MCP1650-V002E26 | Direct Attach Copper Cable QSFP56 200GbE/IB HDR 2m |
| MCP1650-V02AE26 | Direct Attach Copper Cable QSFP56 200GbE/IB HDR 2.5m |
| MCP1650-V003E26 | Direct Attach Copper Cable QSFP56 200GbE/IB HDR 3m |
| MFS1S00-V003E | Active Optical fiber cable, 200GbE, 200Gb/s, QSFP56, 3m |
| MFS1S00-V050E | Active Optical fiber cable, 200GbE, 200Gb/s, QSFP56, 5m |
| MFS1S00-V010E | Active Optical fiber cable, 200GbE, 200Gb/s, QSFP56, 10m |
| MFS1S00-V015E | Active Optical fiber cable, 200GbE, 200Gb/s, QSFP56, 15m |
| MCP7H50-V002R26 | Splitter passive copper hybrid cable, 200GbE 200Gb/s to 2x100Gb/s, QSFP56 to 2xQSFP56, colored, 2m |
| MCP7H50-V003R26 | Splitter passive copper hybrid cable, 200GbE 200Gb/s to 2x100Gb/s, QSFP56 to 2xQSFP56, colored, 3m |
| MFS1S50-V003E | Splitter active fiber splitter cable, 200GbE, 200Gb/s to 2x100Gb/s, QSFP56 to 2xQSFP56 3m |
| MFS1S50-V005E | Splitter active fiber splitter cable, 200GbE, 200Gb/s to 2x100Gb/s, QSFP56 to 2xQSFP56 5m |
| MFS1S50-V010E | Splitter active fiber splitter cable, 200GbE, 200Gb/s to 2x100Gb/s, QSFP56 to 2xQSFP56 10m |
| Ethernet Switch 400GbE Cables | |
| MCP1660-W00AE30 | Direct Attach Copper Cable QSFP-DD 400GbE 0.5m |
| MCP1660-W001E30 | Direct Attach Copper Cable QSFP-DD 400GbE 1m |
| MCP1660-W02AE26 | Direct Attach Copper Cable QSFP-DD 400GbE 2.5m |
| MCP1660-W003E26 | Direct Attach Copper Cable QSFP-DD 400GbE 3m |
| MCP7H60-W001R30 | DAC splitter cable, 400GbE, 400Gb/s to 2x200Gb/s, QSFP-DD to 2xQSFP56, 1m |
| MCP7H60-W002R26 | DAC splitter cable, 400GbE, 400Gb/s to 2x200Gb/s, QSFP-DD to 2xQSFP56, 2m |

For more information, contact a PNY account manager or email GOPNY@PNY.COM
WWW.PNY.COM/NETWORKING

| Part Number | Description |
|-------------|-------------|
|-------------|-------------|

Cables for ConnectX-6 DX EN SmartNIC Adapters

| | |
|------------------|--|
| MCP2M00-A001E30N | Direct Attach Copper Cable SFP28 25GbE 1m |
| MCP2M00-A002E30N | Direct Attach Copper Cable SFP28 25GbE 2m |
| MCP2M00-A003E6N | Direct Attach Copper Cable SFP28 25GbE 3m |
| MCP2M00-A004E26L | Direct Attach Copper Cable SFP28 25GbE 4m |
| MCP2M00-A005E26L | Direct Attach Copper Cable SFP28 25GbE 5m |
| MCP1600-C001E30N | Direct Attach Copper Cable QSFP28 100GbE/IB EDR 1m |
| MCP1600-C002E30N | Direct Attach Copper Cable QSFP28 100GbE/IB EDR 2m |
| MCP1600-C003E30L | Direct Attach Copper Cable QSFP28 100GbE/IB EDR 3m |
| MCP1600-C005E26L | Direct Attach Copper Cable QSFP28 100GbE/IB EDR5m |
| MCP1650-V001E30 | Direct Attach Copper Cable QSFP56 200GbE/IB HDR 1m |
| MCP1650-V01AE30 | Direct Attach Copper Cable QSFP56 200GbE/IB HDR 1.5m |
| MCP1650-V002E26 | Direct Attach Copper Cable QSFP56 200GbE/IB HDR 2m |
| MCP1650-V02AE26 | Direct Attach Copper Cable QSFP56 200GbE/IB HDR 2.5m |
| MCP1650-V003E26 | Direct Attach Copper Cable QSFP56 200GbE/IB HDR 3m |

Cables for ConnectX-6 EN SmartNIC Adapters

| | |
|-----------------|--|
| MCP1650-V001E30 | Direct Attach Copper Cable QSFP56 200GbE/IB HDR 1m |
| MCP1650-V01AE30 | Direct Attach Copper Cable QSFP56 200GbE/IB HDR 1.5m |
| MCP1650-V002E26 | Direct Attach Copper Cable QSFP56 200GbE/IB HDR 2m |
| MCP1650-V02AE26 | Direct Attach Copper Cable QSFP56 200GbE/IB HDR 2.5m |
| MCP1650-V003E26 | Direct Attach Copper Cable QSFP56 200GbE/IB HDR 3m |

For more information, contact a PNY account manager or email GOPNY@PNY.COM
WWW.PNY.COM/NETWORKING

| Part Number | Description |
|--|--|
| Cables for ConnectX-6 VPI SmartNIC Adapters | |
| MCP1600-E001E30 | Direct Attach Copper Cable QSFP28 100GbE/IB EDR 1m |
| MCP1600-E002E30 | Direct Attach Copper Cable QSFP28 100GbE/IB EDR 2m |
| MCP1600-E003E26 | Direct Attach Copper Cable QSFP28 100GbE/IB EDR 3m |
| MCP1600-E004E26 | Direct Attach Copper Cable QSFP28 100GbE/IB EDR4m |
| MCP1600-E005E26 | Direct Attach Copper Cable QSFP28 100GbE/IB EDR5m |
| MCP1600-E001E30 | Direct Attach Copper Cable QSFP28 100GbE/IB EDR 1m |
| MCP1600-E002E30 | Direct Attach Copper Cable QSFP28 100GbE/IB EDR 2m |
| MCP1600-E003E26 | Direct Attach Copper Cable QSFP28 100GbE/IB EDR 3m |
| MCP1600-E004E26 | Direct Attach Copper Cable QSFP28 100GbE/IB EDR4m |
| MCP1600-E005E26 | Direct Attach Copper Cable QSFP28 100GbE/IB EDR5m |
| Cables for ConnectX-5 25GbE SmartNIC Adapters | |
| MCP2M00-A001E30N | Direct Attach Copper Cable SFP28 25GbE 1m |
| MCP2M00-A002E30N | Direct Attach Copper Cable SFP28 25GbE 2m |
| MCP2M00-A003E6N | Direct Attach Copper Cable SFP28 25GbE 3m |
| MCP2M00-A004E26L | Direct Attach Copper Cable SFP28 25GbE 4m |
| MCP2M00-A005E26L | Direct Attach Copper Cable SFP28 25GbE 5m |
| Cables for ConnectX-5 50GbE or 100GbE SmartNIC Adapters | |
| MCP1600-C001E30N | Direct Attach Copper Cable QSFP28 100GbE/IB EDR 1m |
| MCP1600-C002E30N | Direct Attach Copper Cable QSFP28 100GbE/IB EDR 2m |
| MCP1600-C003E30N | Direct Attach Copper Cable QSFP28 100GbE/IB EDR 3m |
| MCP1600-C005E26L | Direct Attach Copper Cable QSFP28 100GbE/IB EDR5m |

For more information, contact a PNY account manager or email GOPNY@PNY.COM
WWW.PNY.COM/NETWORKING

| Part Number | Description |
|--|---|
| Cables for ConnectX-4 25GbE SmartNIC Adapters | |
| MCP2M00-A001E30N | Direct Attach Copper Cable SFP28 25GbE 1m |
| MCP2M00-A002E30N | Direct Attach Copper Cable SFP28 25GbE 2m |
| MCP2M00-A003E6N | Direct Attach Copper Cable SFP28 25GbE 3m |
| MCP2M00-A004E26L | Direct Attach Copper Cable SFP28 25GbE 4m |
| MCP2M00-A005E26L | Direct Attach Copper Cable SFP28 25GbE 5m |

For more information, contact a PNY account manager or email GOPNY@PNY.COM
WWW.PNY.COM/NETWORKING

| Part Number | Description |
|---|--|
| InfiniBand HDR Direct Attach Copper Cables | |
| MCA1J00-H003E | Active Copper cable, IB HDR, up to 200Gb/s, QSFP56, 3m |
| MCA1J00-H004E | Active Copper cable, IB HDR, up to 200Gb/s, QSFP56, 4m |
| MCP1650-H00AE30 | Passive Copper cable, IB HDR, up to 200Gb/s, QSFP56, LSZH, 0.5m |
| MCP1650-H001E30 | Passive Copper cable, IB HDR, up to 200Gb/s, QSFP56, LSZH, 1m |
| MCP1650-H01AE30 | Passive Copper cable, IB HDR, up to 200Gb/s, QSFP56, LSZH, 1.5m |
| MCP1650-H002E26 | Passive Copper cable, IB HDR, up to 200Gb/s, QSFP56, LSZH, 2m |
| MCP7H50-H001R30 | Splitter passive copper hybrid cable, IB HDR 200Gb/s to 2x100Gb/s, QSFP56 to 2xQSFP56, LSZH, colored, 1m |
| MCP7H50-H01AR30 | Splitter passive copper hybrid cable, IB HDR 200Gb/s to 2x100Gb/s, QSFP56 to 2xQSFP56, LSZH, colored, 1.5m |
| MCP7H50-H002R26 | Splitter passive copper hybrid cable, IB HDR 200Gb/s to 2x100Gb/s, QSFP56 to 2xQSFP56, LSZH, colored, 2m |
| MCA7J50-H003R | Splitter Active copper hybrid cable, IB HDR 200Gb/s to 2xHDR100 100Gb/s, QSFP56 to 2xQSFP56, 3m |
| MCA7J50-H004R | Splitter Active copper hybrid cable, IB HDR 200Gb/s to 2xHDR100 100Gb/s, QSFP56 to 2xQSFP56, 4m |
| InfiniBand HDR Active Optical fiber Cables | |
| MFS1S00-H003V | Active optical cable, up to 200Gb/s IB HDR, QSFP56, 3m |
| MFS1S00-H005V | Active optical cable, up to 200Gb/s IB HDR, QSFP56, 5m |
| MFS1S00-H010V | Active optical cable, up to 200Gb/s IB HDR, QSFP56, 10m |
| MFS1S00-H015V | Active optical cable, up to 200Gb/s IB HDR, QSFP56, 15m |
| MFS1S00-H020V | Active optical cable, up to 200Gb/s IB HDR, QSFP56, 20m |
| MFS1S90-H005E | Active fiber splitter cable, IB HDR, 2x200Gb/s to 2x200Gb/s, 2xQSFP56 to 2xQSFP56, 5m |
| MFS1S90-H010E | Active fiber splitter cable, IB HDR, 2x200Gb/s to 2x200Gb/s, 2xQSFP56 to 2xQSFP56, 10m |
| MFS1S90-H015E | Active fiber splitter cable, IB HDR, 2x200Gb/s to 2x200Gb/s, 2xQSFP56 to 2xQSFP56, 15m |
| MFS1S50-H003V | Active optical cable, 200Gb/s to 2x100Gb/s IB HDR, QSFP56 to 2xQSFP56, 3m |

For more information, contact a PNY account manager or email GOPNY@PNY.COM
WWW.PNY.COM/NETWORKING

| Part Number | Description |
|-------------|-------------|
|-------------|-------------|

InfiniBand HDR Active Optical fiber Cables

| | |
|---------------|--|
| MFS1S50-H005V | Active optical cable, 200Gb/s to 2x100Gb/s IB HDR, QSFP56 to 2xQSFP56, 5m |
| MFS1S50-H010V | Active optical cable, 200Gb/s to 2x100Gb/s IB HDR, QSFP56 to 2xQSFP56, 10m |

InfiniBand EDR Direct Attached Copper Cables

| | |
|-----------------|---|
| MCP1600-E00AE30 | Passive Copper cable, IB EDR, up to 100Gb/s, QSFP28, 0.5m |
| MCP1600-E01AE30 | Passive Copper cable, IB EDR, up to 100Gb/s, QSFP28, 1.5m |
| MCP1600-E001E30 | Passive Copper cable, IB EDR, up to 100Gb/s, QSFP28, 1m |
| MCP1600-E02AE26 | Passive Copper cable, IB EDR, up to 100Gb/s, QSFP28, 2.5m |
| MCP1600-E002E30 | Passive Copper cable, IB EDR, up to 100Gb/s, QSFP28, 2m |
| MCP1600-E003E26 | Passive Copper cable, IB EDR, up to 100Gb/s, QSFP28, 3m |
| MCP1600-E004E26 | Passive Copper cable, IB EDR, up to 100Gb/s, QSFP28, 4m |
| MCP1600-E005E26 | Passive Copper cable, IB EDR, up to 100Gb/s, QSFP28, 5m |

InfiniBand EDR Active Optical fiber Cables

| | |
|--------------|--|
| MFA1A00-E001 | Active fiber cable, IB EDR, up to 100Gb/s, QSFP, LSZH, 1m |
| MFA1A00-E003 | Active fiber cable, IB EDR, up to 100Gb/s, QSFP, LSZH, 3m |
| MFA1A00-E005 | Active fiber cable, IB EDR, up to 100Gb/s, QSFP, LSZH, 5m |
| MFA1A00-E007 | Active fiber cable, IB EDR, up to 100Gb/s, QSFP, LSZH, 7m |
| MFA1A00-E010 | Active fiber cable, IB EDR, up to 100Gb/s, QSFP, LSZH, 10m |

Cables for ConnectX-6 VPI SmartNIC Adapters

| | |
|-----------------|-------------------------|
| MCP1600-E001E30 | InfiniBand Cable EDR 1m |
| MCP1600-E002E30 | InfiniBand Cable EDR 2m |

For more information, contact a PNY account manager or email GOPNY@PNY.COM
WWW.PNY.COM/NETWORKING

| Part Number | Description |
|-------------|-------------|
|-------------|-------------|

| Cables for ConnectX-6 VPI SmartNIC Adapters | |
|---|--|
|---|--|

| | |
|-----------------|-------------------------|
| MCP1600-E003E26 | InfiniBand Cable EDR 3m |
| MCP1600-E004E26 | InfiniBand Cable EDR 4m |
| MCP1600-E005E26 | InfiniBand Cable EDR 5m |
| MCP1600-E001E30 | InfiniBand Cable EDR 1m |
| MCP1600-E002E30 | InfiniBand Cable EDR 2m |
| MCP1600-E003E26 | InfiniBand Cable EDR 3m |
| MCP1600-E004E26 | InfiniBand Cable EDR 4m |
| MCP1600-E005E26 | InfiniBand Cable EDR 5m |

| Cables for ConnectX-5 EDR/100GbE SmartNIC Adapters | |
|--|--|
|--|--|

| | |
|-----------------|-------------------------|
| MCP1600-E001E30 | InfiniBand Cable EDR 1m |
| MCP1600-E002E30 | InfiniBand Cable EDR 2m |
| MCP1600-E003E26 | InfiniBand Cable EDR 3m |
| MCP1600-E004E26 | InfiniBand Cable EDR 4m |
| MCP1600-E005E26 | InfiniBand Cable EDR 5m |

| Cables for ConnectX-5 InfiniBand SmartNIC Adapters | |
|--|--|
|--|--|

| | |
|-----------------|-------------------------|
| MCP1600-E001E30 | InfiniBand Cable EDR 1m |
| MCP1600-E002E30 | InfiniBand Cable EDR 2m |
| MCP1600-E003E26 | InfiniBand Cable EDR 3m |
| MCP1600-E004E26 | InfiniBand Cable EDR 4m |
| MCP1600-E005E26 | InfiniBand Cable EDR 5m |

For more information, contact a PNY account manager or email GOPNY@PNY.COM
WWW.PNY.COM/NETWORKING