

NVIDIA ConnectX-7 Adapter Family

400G-capable InfiniBand/Ethernet SmartNICs (NDR/NDR200 and up to 400GbE) for AI and accelerated-compute fabrics, with in-network compute, advanced RDMA and hardware-accelerated storage and security offloads.

Key capabilities

- ▶ Single- and dual-port OSFP / QSFP112 form factors
- ▶ InfiniBand NDR400 / NDR200 and Ethernet up to 400GbE
- ▶ PCIe Gen5 x16 host interface with integrated PCIe switch options
- ▶ In-network computing, RDMA/RoCE, GPUDirect and secure boot

Representative part numbers

Part number	Description	Key spec
MCX713104AC-ADAT	ConnectX-7 50GbE Quad-Port SFP56 Adapter	—
MCX713106AS-CEAT	ConnectX-7 100G Dual-Port QSFP112 Adapter	—
MCX713106AS-VEAT	ConnectX-7 200G Single-Port Adapter	—
MCX713114TC-GEAT	ConnectX-7 25GbE Quad-Port SFP56 Adapter	—
MCX715105AS-WEAT	ConnectX-7 400GbE Single-Port QSFP112 Adapter	Data Rate: NDR
MCX750500C-0D00	ConnectX-7 400GbE Adapter	Data Rate: NDR
MCX75310AAC-NEAT	ConnectX-7 400GbE Single-Port OSFP Adapter	Data Rate: NDR
MCX75310AAS-HEAT	ConnectX-7 200GbE Single-Port OSFP Adapter	Data Rate: NDR200
MCX753436MC-HEAB	ConnectX-7 200GbE Dual-Port QSFP112 OCP Adapter	Data Rate: NDR200
MCX75343AMC-NEAC	ConnectX-7 400GbE Single-Port OSFP OCP Adapter	Data Rate: NDR
MCX755106AC-HEAT	ConnectX-7 200GbE Dual-Port QSFP112 Adapter	Data Rate: NDR200

MCX75510AAS-HEAT	ConnectX-7 NDR200 Single-Port OSFP Adapter	Data Rate: NDR200
MCX75510AAS-NEAT	ConnectX-7 NDR Single-Port OSFP Adapter	Data Rate: NDR
MT28108A0-CCCF-AE	ConnectX-7 25GbE Quad-Port IC	Data Rate: 25GE

Request a quote · 24-hour response

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