Mellanox MCX353A-FCCT Datasheet

Mellanox MCX353A-FCCT ConnectX-3 Pro VPI adapter card, single-port QSFP, FDR IB (56Gb/s) and 40/56GbE, PCIe3.0 x8 8GT/s, tall bracket, RoHS R6

MCX353A-FCCT

Genuine Mellanox MCX353A-FCCT ConnectX-3 Pro VPI adapter card, single-port QSFP, FDR IB (56Gb/s) and 40/56GbE, PCIe3.0 x8 8GT/s, tall bracket, RoHS R6

ConnectX-3 Pro adapter cards with Virtual Protocol Interconnect (VPI), supporting InfiniBand and Ethernet connectivity with hardware offload engines to Overlay Networks ("Tunneling"), provide the highest performing and most flexible interconnect solution for PCI Express Gen3 servers used in public and private clouds, enterprise data centers, and high performance computing.

Benefits

- One design for InfiniBand, Ethernet (10/40/56GbE), or Data Center Bridging fabrics
- World-class cluster, network, and storage performance
- Cutting edge performance in virtualized overlay networks (VXLAN and NVGRE)
- Guaranteed bandwidth and low-latency services
- I/O consolidation
- Virtualization acceleration
- Power efficient
- Scales to tens-of-thousands of nodes

Key Features

- Virtual Protocol Interconnect
- 1us MPI ping latency
- Up to 56Gb/s InfiniBand or 56 Gigabit Ethernet per port
- Single- and Dual-Port options available
- PCI Express 3.0 (up to 8GT/s)
- CPU offload of transport operations
- Application offload
- GPU communication acceleration
- Precision Clock Synchronization
- HW Offloads for NVGRE and VXLAN encapsulated traffic
- End-to-end QoS and congestion control
- Hardware-based I/O virtualization
- Ethernet encapsulation (EoIB)
- 17mm x 17mm RoHS-R6

For more specifications of this MCX353A-FCCT, please visit below Mellanox website:

https://www.mellanox.com/related-docs/prod_adapter_cards/PB_ConnectX-3_Pro_Card_VPI.pdf

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