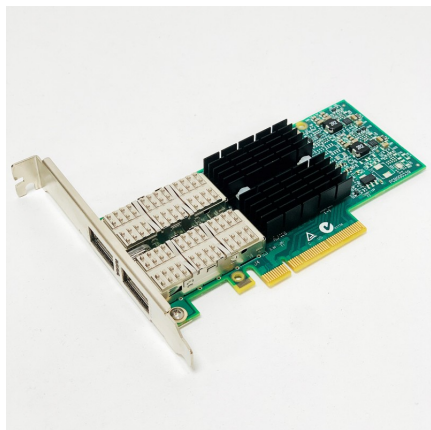


Mellanox MCX354A-FCBT Datasheet



Mellanox MCX354A-FCBT ConnectX-3 VPI Adapter Card, Dual FDR 56Gb/s or 40/56GbE QSFP Port, PCIe 3.0 x8 8GT/s

MCX354A-FCBT

Genuine Mellanox MCX354A-FCBT ConnectX-3 VPI Adapter Card, Dual FDR 56Gb/s or 40/56GbE QSFP Port, PCIe 3.0 x8 8GT/s

ConnectX-3 adapter cards with Virtual Protocol Interconnect (VPI) supporting InfiniBand and Ethernet connectivity provide the highest performing and most flexible interconnect solution for PCI Express Gen3 servers used in Enterprise Data Centers, High-Performance Computing, and Embedded environments.

Benefits

- One adapter for InfiniBand, 10/40/56 Gig Ethernet or Data Center Bridging fabrics
- World-class cluster, network, and storage performance
- 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 40/56 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
- End-to-end QoS and congestion control
- Hardware-based I/O virtualization
- Ethernet encapsulation (EoIB)
- RoHS-R6

For more specifications of this MCX354A-FCBT, please visit below Mellanox website:

https://www.mellanox.com/related-docs/prod_adapter_cards/ConnectX3_VPI_Card.pdf

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