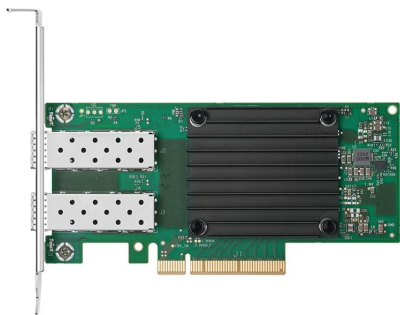


Mellanox MCX512A-ADAT Datasheet



Mellanox MCX512A-ADAT ConnectX-5 Ex EN network interface card, 25GbE dual-port SFP28, PCIe Gen 3.0/4.0 x8, tall bracket

MCX512A-ADAT

Mellanox MCX512A-ADAT ConnectX-5 Ex EN network interface card, 25GbE dual-port SFP28, PCIe Gen 3.0/4.0 x8, tall bracket

Physical

- Size: 2.71 in. x 5.6 in. (68.90mm x 142.24 mm) – low profile
- Connector: Dual SFP28 (copper and optical)

Protocol Support

- Ethernet: 25GBASE-CR/CR-S, 25GBASE-SR, 25GBASE-LR, 25G Ethernet Consortium, 10GBASE-SR, 10GBASE-LR, 10GBASE-ER, 10GBASE-CX4, SGMII, 1000BASE-X
- Data Rate: 1/10/25 Gb/s Ethernet
- PCI Express Gen3/Gen4: SERDES @ 8.0GT/s / 16.0GT/s (respectively), 8 lanes (2.0 and 1.1 compatible)

Power and Airflow

- Voltage: 12V
- Power
- Typical Power(a) Passive Cables 12.5W

- Maximum Power
 - Passive Cables 17.5W
 - 1.5W Active Cables 21W
- Maximum power available through SFP28 port: 1.5W
- Airflow Airflow Specifications.
- Environmental

- Temperature
 - Operational 0°C to 55°C
 - Non-operational -40°C to 70°C
- Humidity
 - Operational: 10% to 85% relative humidity
 - Non-operational: 10% to 90% relative humidity

- Altitude (Operational): 3050m

Regulatory

- Safety: CB / cTUVus / CE
- EMC: CE / FCC / VCCI / ICES / RCM
- RoHS: RoHS compliant

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