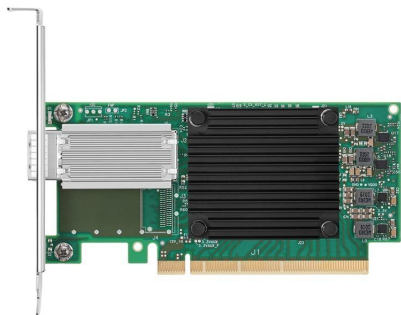


Mellanox MCX515A-CCUT Datasheet



Mellanox MCX515A-CCUT ConnectX-5 EN network interface card, 100GbE single-port QSFP28, PCIe Gen 3.0 x16, UEFI Enabled (Arm, x86), tall bracket

MCX515A-CCUT

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Physical

- Size: 2.71 in. x 5.6 in. (68.90mm x 142.24 mm) – low profile
- Connector: Single QSFP28 (copper and optical)

Protocol Support

- Ethernet: 100GBASE-CR4, 100GBASE-KR4, 100GBASE-SR4, 56GBASE-R4, 50G Ethernet Consortium, 40GBASE-CR4, 40GBASE-SR4, 40GBASE-LR4, 40GBASE-ER4, 25GBASE-CR/CR-S, 25GBASE-SR, 25GBASE-LR, 25G Ethernet Consortium, 10GBASE-SR, 10GBASE-LR, 10GBASE-ER, 10GBASE-CX4, SGMII, 1000BASE-X
- Data Rate: 1/10/25/40/50/100 Gb/s Ethernet
- PCI Express Gen3: SERDES @ 8.0GT/s, 16 lanes (2.0 and 1.1 compatible)

Power and Airflow

- Voltage: 12V
- Power

- Typical Power(a): Passive Cable 14.2W
- Maximum Power:
 - Passive Cable 17.0W
 - 1.5W Active Cable 18.6W
 - 2.5W Active Cable 19.7W
- Maximum power available through QSFP28 port: 5W
- Airflow See 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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