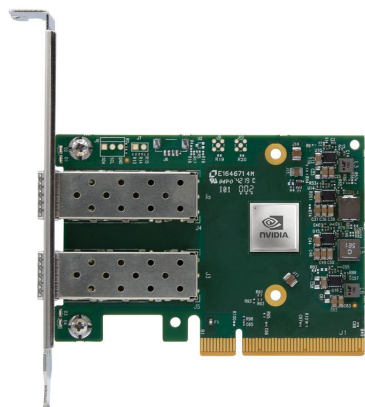


# Mellanox MCX631102AN-ADAT Datasheet



Mellanox MCX631102AN-ADAT ConnectX-6 Lx 25GbE Dual-port SFP28 PCIe 4.0 x8 HHL Ethernet Adapter Card, Tall Bracket

MCX631102AN-ADAT

Mellanox MCX631102AN-ADAT ConnectX-6 Lx 25GbE Dual-port SFP28 PCIe 4.0 x8 HHL Ethernet Adapter Card, Tall Bracket

## Specifications

- Physical
  - Size: 3.79in. x 2.71in (96.30mm x 68.90mm)
  - Connector: Dual SFP28 Ethernet (copper and optical)
- Protocol Support
  - Data Rate: Ethernet 1/10/25 Gb/s
  - Ethernet: 25GBASE-R, 20GBASE-KR2, 10GBASE-LR, 10GBASE-ER, 10GBASE-CX4, 10GBASE-CR, 10GBASE-KR, SGMII, 1000BASE-CX, 1000BASE-KX, 10GBASE-SR
  - PCI Express Gen 3.0/4.0: SERDES @ 16.0GT/s, 8 lanes (2.0 and 1.1 compatible)

## • Power and Airflow (a)

### • Voltage: 12V

Power	Cable	PCIe Gen
3.0	PCIe Gen 4.0	
Typical Power(b)	Passive	
Cables	10.73W	11.53W
Maximum Power	Passive	

Cables            12.14W                            12.94W

- Voltage: 3.3Aux
- Maximum current: 100mA
- Airflow Requirements @ 55C (d)
  - Cable Type        Hot Aisle - Heatsink to Port
  - Passive Cable 300LFM
  - Active 0.8W Cable 350LFM
  - Active 1.5W Cable(e) 400LFM
- 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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