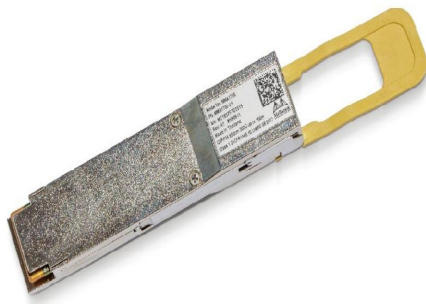


Mellanox MMA1T00-VS Datasheet



Mellanox MMA1T00-VS 200GBASE-SR4 QSFP56 850nm 100m DOM MTP/MPO-12 MMF Optical Transceiver Module

MMA1T00-VS

NVIDIA MMA1T00-VS Optical Transceiver 200GbE QSFP56 MPO 850nm SR4 up to 100m

200GbE QSFP56 MMF Transceiver

NVIDIA Networking MMA1T00-VS transceiver is a 4-channel, pluggable, QSFP56, optical transceiver designed for use in 200GbE Ethernet applications. This module incorporates NVIDIA Networking integrated circuit technology in order to provide high performance. The transceiver operates over 4-lane parallel multi-mode fiber (MMF), using a nominal wavelength of 850nm, and is QSFP56 MSA compliant.

The transceiver has a standard SFF-8665 compliant QSFP56 connector on the electrical side towards the host system. The optical interface is composed of four optical channels/fibers in each direction, intended for a parallel multi-mode optical cable via a standard MPO-12 UPC connector. Each channel/fiber operates at signaling rates up to 26.5625 GBd. Rigorous production testing ensures the best out-of-the-box installation experience, performance and durability.

The MMA1T00-VS transceiver has Digital Diagnostic Monitoring functions for supply voltage, temperature, laser bias current, optical transmit and receive levels with associated warning and alarm thresholds.

The MMA1T00-VS transceiver will work with a fiber plant as specified in the QSFP MSA standard.

Highlights

- Up to 200Gb/s data rate
- Up to 100m on OM4 and 70m on OM3 multimode fiber at 200Gb/s
- 4x 50Gb/s PAM4 modulation
- Programmable Rx output amplitude and emphasis
- Adaptive Tx input equalizer
- SFF-8665 compliant QSFP56 port
- SFF-8636 DDM compliant
- Single 3.3V power supply
- 4.5W power dissipation
- Low BER
- QSFP56 power class 5
- Class 1 laser safety
- Hot pluggable
- RoHS compliant
- IEEE 802.3 200GAUI-4 / 200GBASESR4 compliant
- MPO-12 UPC male receptacle connector
- SFF-8636 compliant I2C management interface

For more information of this NVIDIA Mellanox MMA1T00-VS, please visit NVIDIA website:

<https://store.nvidia.com/en->

us/networking/store/product/MMA1T00-VS/NVIDIAMMA1T00VSOpticalTransceiver200GbEQSFP56MPOS4/

[Buy Now](#)