Mellanox MAM1Q00A-QSA28 Datasheet

Mellanox MAM1Q00A-QSA28 cable module, ETH 25GbE, 100Gb/s to 25Gb/s, QSFP28 to SFP28

MAM1Q00A-QSA28

Mellanox DynamiX QSA QSA28 QSFP28 to SFP28 Adapter

Mellanox DynamiX QSATM QSA28, QSFP28 to SFP28 adapter, enables a smooth cost-effective connection between a single lane transceiver/cable and a quad lane port. The QSA28 provides the option to connect an SFP28/SFP+/SFP transceiver or cable to a QSFP28 port of an Nx100Gbps switch or network interface card (NIC).

The QSA28 should be installed into a QSFP28 port, and is intended to either connect a switch QSFP28 port to a NIC SFP28 port, or connect a NIC QSFP28 port to a switch SFP28 port. For example, an SFP28-based cable can be connected to Mellanox's 100GbE ConnectX®-4 NIC and to the 32 x 100GbE SN2700 Ethernet switch. The QSA28 conforms to the SFF-8402 for the SFP28 side and to SFF-8665 for the QSFP28 standards and is thoroughly tested to meet strict quality requirements. The adapter has a QSFP28 form factor with a receptacle for SFP28 transceiver/AOC/DAC connector. The QSA28 provides a solution for integrating systems using different vendors' equipment, since it is vendor agnostic and provides a direct path to the SFP unit's memory. The QSA28 interoperates with all major optical module and direct attach copper cable vendors.

Its design ensures minimum loss on the conversion path between the QSFP28 cage and the SFP28 receptacle. The RF (high speed data) channel of the SFP28 receptacle is connected to lane 1 of the QSFP28 connector. The three remaining RF channels on the QSFP28 connector are not connected. DynamiX QSA28 is qualified for 10GbE SFP+ and 1GbE SFP transceivers meeting the Small Form Factor Pluggable (SFP) Transceiver Multi-source Agreement (MSA).

Highlights

- Industry-leading price and performance
- Trouble-free installation and network bring-up
- Compliant to industry standards
    - QSFP28 MSA SFF-8665
    - SFP28 MSA SFF-8402
- Low insertion loss
- Registered US patent 7,934,959
- Matched impedance
- Secure latching mechanism
- Built-in EEPROM for product identification
- RoHS compliant
- SFF-8636 compliant I2C management interface

For more specifications of this MAM1Q00A-QSA28, please visit below Mellanox website:

https://www.mellanox.com/related-docs/prod_cables/PB_MAM1Q00A-QSA28_QSFP28_to_SFP28_Adapter.pdf

[Buy Now](#)