QSFP28 SR4
100G Ethernet SR4 Transceiver

DESCRIPTION

The QSFP28 SR4 transceiver is a 100 Gbit/s pluggable module for bi-directional serial optical data communications such as 100GBASE Ethernet. The transceiver operates with four parallel data streams of 25.78 Gbps in order to provide an aggregated signaling rate of 103.125 Gbps. The module has an MPO12 male connector and uses four fiber pairs to create the four data lanes. On the receive side, the four lanes of optical data streams are de-multiplexed by the transceiver and retimed.

The module is fully compliant with all QSFP28 related MSA's described in SFF-8665 and Digital Diagnostic functions are available through an I2C interface. QSFP28-100G-SR4 complies with IEEE 802.3 and 100Gbase-SR4.

APPLICATIONS
- 100GBASE-SR4
- Infiniband QDR
- Fiber Channel

FEATURES
- Up to 150 m transmission on OM4 multimode fiber
- Hot-Pluggable QSFP footprint
- MPO Optical interface
- QSFP28 MSA compatible
- Digital Diagnostics Monitoring interface
- Single 3.3 V power supply
- Power dissipation < 2 W
- RoHS-6 compliant (lead-free)
- Case operating temperature: 0°C to 70°C

FIBERWORKS

LASER SAFETY

This transceiver is a Class 1 laser product. It complies with IEC-60825 and FDA 21 CFR 1040.10 and 1040.11. The transceiver must be operated within the specified temperature and voltage limits. The optical ports of the module need to be terminated with an optical connector or a dust plug.

OPTICAL PARAMETERS

Part no.	SM/MM Fiber	Wavelength [nm]	Opt. Output Power [dBm]	Opt. Receiver Sensitivity [dBm]	Power Budget [dB]
QSFP28-SR4	SM	850 nm	-8.4 to 2.4	-10.3 to 2.4	1.9

Optical power values are per channel

ORDERING INFORMATION

Part no.	Description
QSFP28-SR4	QSFP28, 100Gbase-SR4, 4x25.8Gbps, 850nm, DDM, 100m, 1.9dB, MM