

# QSFP28-SR1.2

## 100G Ethernet for multimode fiber with LC interface

### DESCRIPTION

The QSFP28-SR1.2 transceiver is a 100 Gbit/s pluggable module for 100GBASE Ethernet. The transceiver operates with two parallel data streams of 53.13 Gbps in order to provide an aggregated signaling rate of 106.25 Gbps. The two lanes are launched with center wavelengths of 850 nm and 910 nm and multiplexed onto single mode fiber. On the receive side, the two lanes of optical data streams are de-multiplexed by the transceiver and retimed.

The module is fully compliant with all QSFP28 related MSA described in SFF-8665 and Digital Diagnostic functions are available through an I2C interface. QSFP28-SR1.2 complies with IEEE 802.3bm.

### APPLICATIONS

- 100GBASE-SR1.2
- Data center

### FEATURES

- Up to 70m/100m/150m transmission on OM3/OM4/OM5 fiber
- Hot-Pluggable QSFP footprint
- Duplex LC interface for fiber pair operation
- QSFP28 MSA compatible
- Wavelengths 850nm and 910nm
- Digital Diagnostic monitoring interface
- Operating Case Temperature: Standard: 0°C to 70°C
- Power dissipation < 4 W



### 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.	Fiber type	Wavelength [nm]	Opt. Output Power [dBm]	Opt. Receiver Sensitivity [dBm]	Power Budget [dB]
QSFP28-SR1.2	MM	850-910	-6 to 4	-8 to 4	2

### ORDERING INFORMATION

Part no.	Description
QSFP28-SR1.2	QSFP28, 100G Ethernet, 850-910nm, MM, DDM, 2dB, 150m