

QSFP28-eCWDM4

100G Ethernet QSFP28 for singlemode fiber

DESCRIPTION

The QSFP28 eCWDM4 transceiver is a 100 Gbit/s pluggable module for 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 four lanes are launched with center wavelengths of 1271 nm, 1291 nm, 1311 nm and 1331 nm and multiplexed onto single mode fiber. 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-eCWDM4 complies with IEEE 802.3 and 100Gbase-CWDM4.

APPLICATIONS

- 100GBASE-CWDM4
- Data center

FEATURES

- Up to 10 km transmission on singlemode fiber
- Hot-Pluggable QSFP footprint
- Duplex LC interface for fiber pair operation
- QSFP28 MSA compatible
- CWDM wavelengths 1271, 1291, 1311 and 1331 nm
- Digital Diagnostic monitoring interface
- Operating Case Temperature: Standard: 0°C to 70°C
- Power dissipation < 3.5 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-eCWDM4	SM	1271-1331	-4.5 to 2.5	-11.5 to 2.5	7

ORDERING INFORMATION

Part no.	Description
QSFP28-eCWDM4	QSFP28, 100G Ethernet, 1271-1331nm, SM, DDM, 7dB, 10km