

SFP28 CWDM

25G Ethernet CWDM Transceiver

DESCRIPTION

The SFP28 CWDM transceiver is a long range 25 Gbit/s pluggable optical module for data communications such as 25GBASE Ethernet.

The module is fully compliant with all SFP28 related MSA standards and Digital Diagnostic functions are available through an I2C interface. SFP28-CWDM complies with IEEE 802.3 and 25Gbase-LR.

CWDM modules operate at nominal Coarse Wavelength Division Multiplexing (CWDM) wavelengths with each step being 20 nm. The CWDM characteristics are fully compliant to the wavelength parameters specified in ITU standards G.694.2 and G.695.

APPLICATIONS

- 25GBASE-LR
- CWDM Systems

FEATURES

- Up to 40km transmission on SM fiber
- Hot-Pluggable SFP footprint
- LC Optical interface
- SFP28 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



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]
SFP28-L10D-CxxL	SM	1271 - 1371 nm	0 to 6	-13 to 3	13
SFP28-L10D-Cxx	SM	1471 - 1571 nm	0 to 6	-13 to 3	13
SFP28-L40D-CxxL	SM	1271 - 1331 nm	0 to 6	-19 to -3	19

ORDERING INFORMATION

Part no.	Description
SFP28-L10D-CxxL	SFP28, 25GBASE-LR, DDM, 10km, CWDM 1271-1371nm, 13dB, SM
SFP28-L10D-Cxx	SFP28, 25GBASE-LR, DDM, 10km, CWDM 1471-1571nm, 13dB, SM
SFP28-L40D-CxxL	SFP28, 25GBASE-LR, DDM, 40km, CWDM 1271-1331nm, 19dB, SM

- C27 = CWDM 1270 nm
- C29 = CWDM 1290 nm
- C31 = CWDM 1310 nm
- C33 = CWDM 1330 nm
- C35 = CWDM 1350 nm
- C37 = CWDM 1370 nm

- C47 = CWDM 1470 nm
- C49 = CWDM 1490 nm
- C51 = CWDM 1510 nm
- C53 = CWDM 1530 nm
- C55 = CWDM 1550 nm
- C57 = CWDM 1570 nm