

CWDM SFP+

Overview

LongXing's CWDM SFP+ transceiver is small form factor pluggable module for bi-directional serial optical data communications such as IEEE 802.3ae 10GBASE-LR/LW/ER/ZR. It is with the SFP 20-pin connector to allow hot plug capability. Digital diagnostic functions are available via an I2C. This module is designed for single mode fiber and operates at a nominal wavelength of CWDM wavelength. There are 18 center wavelengths available from 1270 nm to 1610 nm, with each step 20 nm. A guaranteed minimum optical link budget of 14 dB is offered. The transmitter section uses a CWDM multiple quantum well DFB/EML laser and is a class 1 laser compliant according to International Safety Standard IEC-60825. The receiver section uses an integrated InGaAs detector preamplifier (IDP) mounted in an optical header and a limiting post-amplifier IC.



Features

- Up to 10.5 Gb/s Bi-directional Data Links
- 10Gb Ethernet
- 2G/4G/8G/10G Fibre Channel compliance
- Complaint to SFP+ MSA
- Compliant to IEEE 802.3ae 10GBASE
- Maximum Link Length of 70 km at 10.3125Gb/s
- Uncooled 18-λ CWDM DFB/cooled EML LD: from 1270 nm to 1610 nm
- Power Budget up to 23 dB
- SFF-8472 Digital Diagnostic Function
- AC/AC Coupling according to MSA
- Single +3.3 V Power Supply
- RoHS Compliant
- Class 1 Laser International Safety Standard IEC-60825 Compliant

Applications

- 10G BASE Ethernet, Fiber Channel
- High-speed Storage Area Networks, SAN Fiber Channel
- Computer Cluster Cross-connect
- Custom High-speed Data Pipes

Specifications

Package	P/N	Data Rate	Wavelength	OSA Type	Distance	Connector	Case Temp.	DDM	Application
SFP+	LXD7H309 -DCLxx	9.95~11.1 G	CWDM 1270~1330 nm	DFB/PIN	10dB	LC	0~70	D	Ethernet, 10GFC
SFP+	LXD7H309 -DCLxx	9.95~11.1 G	CWDM 1470~1610 nm	DFB/PIN	10dB	LC	0~70	D	Ethernet, 10GFC
SFP+	LXD7H409 -DCLxx	9.95~11.1 G	CWDM 1270~1330 nm	DFB/PIN	14dB	LC	0~70	D	Ethernet, 10GFC
SFP+	LXD7H409 -DCLxx	9.95~11.1 G	CWDM 1470~1610 nm	EML/PIN	14dB	LC	0~70	D	Ethernet, 10GFC
SFP+	LXD71809- DCLxx	9.95~11.1 G	CWDM 1270~1330 nm	DFB/APD	23dB	LC	0~70	D	Ethernet, 10GFC
SFP+	LXD71809- DCLxx	9.95~11.1 G	CWDM 1470~1610 nm	EML/APD	23dB	LC	0~70	D	Ethernet, 10GFC

Shipping Information

Package Contents	Transceiver, 10 units
Package Dimensions(W*H*D)	20mm*13.5mm*3.8mm
Material	Carton box
Weight	0.5 KG
Lead Time	10-15 working days normally



Packing Details

