

10G CWDM SFP+ Module 80km 1260--1610nm

Quick Details

Place of Origin: Guangdong, China

Brand Name: OPTICO

Model Number: SFP-10G-CWDM-80

Product name: 80km 10G SFP cwdm

Max Cable Distance: 10km/20km/40km/80km

Data rate: 10G

Wavelength: 1260-1610nm

Compatible: Cisco , Huawei , Juniper , Alcatel

Chipset: Avago MAXIM Sumitomo

Warranty: 3 Years

Name: 80km 10g cwdm sfp

Packing: ESD Parts Box

Optical Connector: LC

Supply Ability: 500 Piece/Pieces per Week

Packaging Details: 10PCS in 1 Plastic trays

Port: shenzhen



OPTICO SFP+ CWDM transceiver is designed to transmit and receive optical data over single mode optical fiber for link length 80km.

CWDM SFP is a low-cost WDM transmission technology for the access layer of a metropolitan area network. The CWDM SFP optical module uses CWDM technology, which can combine optical signals of different wavelengths through an external wavelength division multiplexer and transmit them through one optical fiber, thereby saving fiber resources.

The transceiver consists of two sections: The transmitter section incorporates a colded EML laser. And the receiver section consists of a PIN photodiode integrated with a TIA. All modules satisfy class I laser safety requirements. Digital diagnostics functions are available via a 2-wire serial interface, as specified in SFF-8472, which allows real-time access to device operating parameters such as transceiver temperature, laser bias current, transmitted optical power, received optical power and transceiver supply voltage.

PRODUCT FEATURES

Compliant with SFF-8431, SFF-8432 and IEEE802.3ae

Cooled EML transmitter and PIN receiver

Wavelength selectable to ITU-T standards covering CWDM grid wavelengths Digital Diagnostic Monitor Interface

Hot pluggable

link length up to 80km

10GBASE-ER, and 2G/4G/ 8G/10G Fiber Channel applications.

Low power consumption

Operating case temperature: 0 to 70 °C

CWDM Networks

APPLICATIONS

10GBASE-LR at 10.3125Gbps

Other optical links

10G Ethernet

Parameters:

OPTICAL CHARACTERISTICS

● Transmitter

Parameter	Symbol	Min.	Typ	Max.	Unit	Note
Operating Wavelength			XX		nm	4
Ave. output power (Enabled)	P _o	0		5	dBm	1
Extinction Ratio	ER	4.5			dB	1
RMS spectral width	$\Delta\lambda$			1	nm	
Rise/Fall time (20%~80%)	Tr/Tf			50	ps	2
Optical modulation amplitude	OMA	-6.2			dBm	
Dispersion penalty				1	dB	
Output Optical Eye		Compliant with IEEE 0802.3ae				

● Receiver

Parameter	Symbol	Min.	Typ	Max.	Unit	Note
Operating Wavelength		1260		1610	nm	
Sensitivity	P _{sen}			-24	dBm	3
Min. overload	P _{imax}	-7			dBm	
LOS Assert	P _a	-32			dBm	
LOS De-assert	P _d			-25	dBm	
LOS Hysteresis	P _d -P _a	0.5		4	dB	

Certifications: ISO, CE, ROHS



CE



CPR



ISO



RoHS

Factory Workshop:



