

## **DWDM SFP+ Transceiver 10G 80km C22 DOM**

### **Introduction:**

#### **SFP Optical Transceiver Module**

The SFP optical module is a small hot-swap module in SFP package, and the interface is LC. SFP optical modules are mainly composed of lasers. SFP classification can be divided into rate classification, wavelength classification, and pattern classification.

SFP is the abbreviation of SMALL FORM PLUGGABLE (small pluggable), which can be simply understood as an upgraded version of GBIC. The SFP module volume is reduced by half compared to the GBIC module, only the size of the thumb. You can configure more than double the number of ports on the same panel. The other functions of the SFP module are basically the same as GBIC. Some switch manufacturers call the SFP module miniaturized GBIC (MINI-GBIC)

The composition of SFP optical modules are:

The laser (including the transmitter TOSA and receiver ROSA) is composed of a circuit board IC and external accessories. The external accessories are composed of a shell, a base, a PCBA, a pull ring, a buckle, an unlocking piece, and a rubber plug. The color distinguishes the parameter type of the module.



**Quick Details:**

Place of Origin: Shenzhen, China

Brand Name: OPTICO

Model Number: OP-SFP+-LCD-10G-80

Type: Fiber Optic Transceivers

No. of Fiber: 1 fiber

Applications: FTTX

Supply Voltage: 3.3V

Power: 0~4dBm

Data rate: 10Gbps

Wavelength: C22

Transmission distance: 80km

Interface: Duplex LC

Power consumption: <2W

Laser Type: EML DWDM

Sensitivity: <-23dBm

Warranty: 1 Year

Application: Data Center

Single package size: 22X21X6 cm

Single gross weight: 0.100 kg

Package Type: 10pcs/ anti-static box.

### Product Description:

The 10G BASE SFP+ modules offer customers a variety of 10 Gigabit Ethernet connectivity options optimized for Enterprise and data center applications. SFP+ available for the most common reaches needed for these applications.

### Recommend Products

Product Name	Product Description
SFP-10G-SR	10GBASE-SR SFP+ Module for MMF
SFP-10G-LR	10GBASE-LR SFP+ Module for SMF
SFP-10G-SR-S	10GBASE-LR SFP+ Module for SMF S-Class
SFP-10G-ZR	Multi rate 10GBASE-ZR, 10GBASE-ZW and OTU2e SFP+ Module for SMF
SFP-10G-ZR-S	10GBASE-ZR SFP+ Module for SMF S-Class
SFP-10G-BXD-I	10GBASE-BX10-D Bidirectional for 10km
SFP-10G-BXU-I	10GBASE-BX10-U Bidirectional for 10km
SFP-10G-ER	10GBASE-ER SFP+ Module for SMF
SFP-10G-ER-S	10GBASE-ER SFP+ Module for SMF S-Class

### Features:

DWDM PON network

ITU-T DWDM grid wavelengths

Data rate selectable ≤4.25Gbps or 9.95Gbps to 11.3Gbps bit rates

Temperature Stabilized DWDM DFB Transmitter

Multi channels optional

Low Power Dissipation 1.5W Maximum

Excellent ESD protection

-5°C to 70°C Operating Case Temperature

Single 3.3V power supply

Diagnostic Performance Monitoring of module temperature,  
Supply Voltages, laser bias current, transmit optical power,  
receive optical power

RoHS compliant and lead free

### Applications:

DWDM optical links

DWDM PON network

### Specifications:

Product type	Data Rate	Wavelength	Reach	LD	TX Power	PD	Rx Sens
DWDM SFP+	10G	15xx.xx nm	40Km	EML	-1~3dbm	PIN	<-20dbm
DWDM SFP+	10G	15xx.xx nm	80Km	EML	0~4dbm	APD	<-24dbm
DWDM XFP	10G	15xx.xx nm	40Km	EML	-1~3dbm	PIN	<-16dbm
DWDM XFP	10G	15xx.xx nm	80Km	EML	0~4dbm	APD	<-24dbm

Comparison of SFP + and SFP

1. The appearance dimensions of SFP and SFP + are the same;
2. SFP protocol specifications: IEEE802.3, SFF-8472;

SFP + and XFP

1. Both SFP + and XFP are 10G optical fiber modules, and can communicate with other types of 10G modules;
2. Because of the smaller size, SFP + modulate the signal, serial / deserializer, MAC, clock and data recovery (CDR), and electronic

Dispersion compensation (EDC) function moved from the module to the motherboard card;

3. The agreement followed by XFP: XFP MSA agreement;
4. SFP + compliant protocols: IEEE 802.3ae, SFF-8431, SFF-8432;
5. SFP + is a more mainstream design.

SFP +

1. SFP + has a more compact size than X2 and XFP packages (same size as SFP);
2. Can be directly connected with the same type of XFP, X2, XENPAK;
3. Cost is lower than XFP, X2, XENPAK products.

### Certifications:



CE



CPR



ISO



RoHS

Factory Workshop:



Shenzhen Optico Communication Co.,Ltd



