

# SFP Optical Module

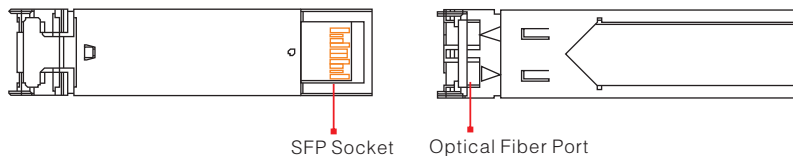
## 1.25G Double Optical Fiber 40km

This is a standard SFP optical module. It uses two single mode optical fibers and the speed rate can up to 1.2Gbps, transmission distance up to 40km. This product need to use in pair and match up with fiber converter and optical Ethernet switch with SFP port, it can be used in Ethernet, telecom and optical fiber communication and other industries...

### Feature

- SFP package with LC connector;
- 1310nm FP laser and PIN photo detector;
- Up to 40Km transmission on SMF;
- +3.3V single power supply;
- LVPECL compatible data input/output interface;
- Low EMI and excellent ESD protection;
- Laser safety standard IEC-60825 compliant;
- Compatible with RoHS.

### Board diagram



### Installation step

Please check the following items before installation. If any missing, please contact the dealer.

- SFP Optical Module, 1.25G Double Optical Fibers 40km 1pc
- User manual 1pc

#### Please follow the following step

- 1) Please turn off the signal source and the device's power, installation with power on may damage the device;
- 2) Plug 1.25G double optical fibers 40km SFP optical module into SFP socket;
- 3) Check if the installation is correct and device is good, make sure all the connection is reliable and power up the system;
- 4) Make sure the optical communication is normal.

## ■ Specification

Item		Description
Power	Power Supply	The Host Power Supply
	Voltage Range	DC 3.15V ~ 3.45V
	Consumption	1W
Optical Characteristics	Optical Wave Length	1310nm
	Emission Light Power	-5 ~ 0dBm
	Receiver Sensitivity	-24 dBm
Transmission Characteristics	Optical Fiber Type	Single mode 9/125um
	Optical Fiber Port	LC
	Transmission Distance	Single mode 40km
Protection	ESD	1a contact discharge 3 level 1b air discharge 3 level Per: IEC61000-4-2
Environmental	Working Temperature	0°C~70°C
	Storage Temperature	-40°C~70°C
	Humidity (Non-	0~95%
Mechanical	Dimension (L×W×H)	55.4mm × 13.7mm × 6.25mm
	Material	Stainless steel
	Color	White
	Weight	17g

*Product are subject to change without prior notice*

## ■ Trouble Shooting

Please find the following solution when the device doesn't work

- Please confirm if the installation is correct;
- Please confirm the module plugged is match with the requirement;
- If the problem still exist, please contact the factory.