

SFP Optical Module

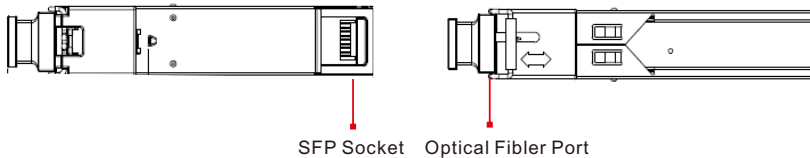
Industrial 1.25G Single-mode 1xSC Optical Fiber 3km (Transmitter 1310TX 1550RX)

This is an Industrial SFP optical module. It uses a single mode optical fiber and the speed rate can up to 1.25Gbps, transmission distance up to 3km. 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

- Use SFP packaging form, SC connector, support SFF8472 standard;
- Support hot plug ;
- Use 1310nm FP laser and 1550PIN-TIA;
- The data transmission distance of single mode optical fiber can up to 3 km;
- Data input and output ports are comply with the low voltage emitter coupled logic(LVPECL) standard;
- Low electromagnetic interference to the environment, strong ESD protection;
- Meet IEC-60825 laser safety standard;
- Meet RoHS standard.

Board diagram



Installation step

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

- SFP Optical Module 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 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 TX / 1550nm RX; |
| | Emission Light Power | -8 ~ -3dBm |
| | Receiver Sensitivity | -22 dBm |
| Transmission Characteristics | Optical Fiber Type | Single mode 9/125um |
| | Optical Fiber Port | 1xSC |
| | Transmission Distance | Single-mode 3km |
| Protection | ESD | 1a contact discharge 3 level 1b air discharge 3 level Per: IEC61000-4-2 |
| Environmental | Working Temperature | -40°C~85°C |
| | Storage Temperature | -40°C~85°C |
| | Humidity (Non-condensing) | 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.