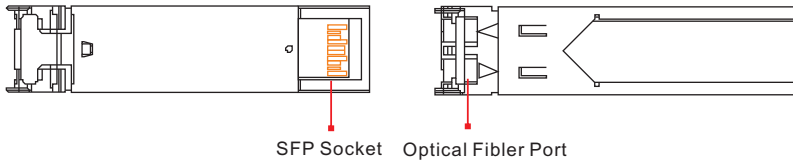# SFP Optical Module
155M Double Optical Fiber 20km

This is a standard SFP optical module. It uses two single−mode optical fibers, the speed rate up to 155Mbps and the transmission distance up to 20km. This product can 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, LC connector, support SFF8472 standard;
- Support hot plug;
- Use1310 nm FP laser and PIN−TIA;
- The data transmission distance of single mode optical fiber can up to 20 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.

■ Device board diagram

SFP Socket   Optical Fibler Port

■ Installation steps

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

- SFP Optical Module, 155M Double Optical Fiber 20km   1pc
- User manual   1pc

Please follow the following installation steps

1) Please turn off the signal source and the device's power, installation with power on may damage the device;
2) Plug 155M double optical fiber 20km 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 for 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	−15 ~ −3dBm
	Receiver Sensitivity	−34 dBm
Transmission Characteristics	Optical Fiber Type	Single− mode 9/125um, multi−mode 50/125um
	Optical Fiber Port	LC
	Transmission Distance	Single−mode 20km, multi−mode2km
Protection	ESD	1a contact discharge 3 level 1b air discharge 3 level Per: IEC61000−4−2
Environmental	Working Temperature	0℃~70℃
	Storage Temperature	−40℃~70℃
	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.

■ Troubleshooting

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.