

1000BASE-T copper SFP transceiver

The Copper Small Form Pluggable (SFP) transceivers is high performance, cost effective module compliant with the Gigabit Ethernet and 1000BASE-T standards as specified in IEEE 802.3 and IEEE 802.3ab, which supporting 1000Mbps data-rate up to 100 meters reach over unshielded twisted-pair CAT 5 cable. The module supports 1000 Mbps full duplex data-links with 5-level Pulse Amplitude Modulation (PAM) signals.

Feature

- Up to 1.25Gb/s bi-directional data links ;
- Hot-pluggable SFP footprint ;
- Extended case temperature range (0° C to +70° C) ;
- Fully metallic enclosure for low EMI;
- Low power dissipation (1.05 W typical);
- Compact RJ45 connector assembly;
- Access to physical layer IC via 2-wire serial bus;
- 1000 BASE-T operation in host systems with SERDES interface.

Board diagram



Installation step

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

- 1000BASE-T copper SFP transceiver 1pc
- User manual 1pc

Please follow the following step

- 1) Plug the I module into SFP socket;
- 2) Check if the installation is correct and device is good, make sure all the connection is reliable and power up the system;
- 3) 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
SFP	Connector	SFP slot
	Port	1000BASE-X
Copper	Connector	RJ45
	Port	1000BASE-T
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-condensing)	0~95%
Mechanical	Dimension (L×W×H)	55.4mm × 13.7mm × 8.5mm
	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.