



10/100/1000M Gigabit Ethernet Media Converter User's Manual

I、 Product Features:

1. Built-in high-performance kernel, Broadcast storm control, Flow control, CRC error checking.
2. 1000Base-FX fiber-optic transmission standard, Can be interconnected with other products
3. Support IEEE802.1D Function
4. Completely compatible with IEEE802.3/802.3u auto-negotiation function
5. Maximum transmission distance up to 80Km
6. Support 9K giant package.
7. With LFP link detection function,Real-time monitoring can be realized on the link connection;

II、 Product Protocol:

Follow IEEE802.3E/AB standards

III、 Product Category:

1. According to Dimension:
Built-in Power Adapter MC
External Power Adapter MC
2. According to Number of Fiber:
Single-Fiber MC
Dual-Fiber MC
3. According to Type of Fiber:
Multi-mode MC
Single-Mode MC

4. Panel

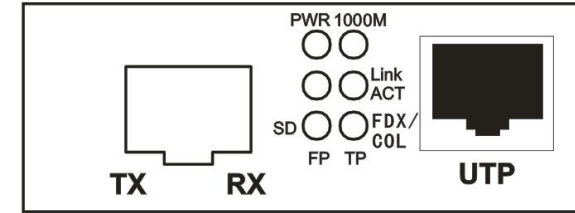


Figure 3.1 SFP slot front panel

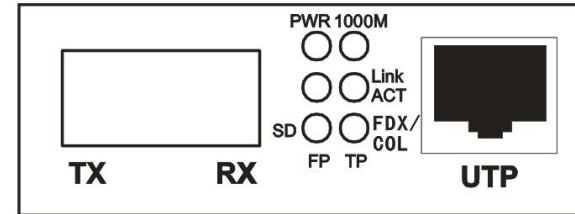


Figure 3.2 front panel

5. Back of the structure diagram



IV、 LED Indicator Status Description

Table 4.1 The led of MC indicator Description

LED	function	status	Description
PWR	Power LED	ON	Power is ON.
		OFF	Power is OFF.
1000M	UTP Port	ON	1000M

	Speed LED	OFF	10/100M
LNK/ACK (FP)	Fiber Port Link/Action Status LED	ON	Fiber Port is Linked.
		Blink	Fiber Port is Actived
		OFF	Fiber Port is NOT Linked.
LNK/ACK (TP)	UTP Port Link/Action Status LED	ON	UTP Port is Linked
		Blink	UTP Port is Actived
		OFF	UTP Port is NOT Linked
SD	Fiber Signal Status LED	ON	Fiber Signal is Detected.
		OFF	Fiber Signal is NOT Detected.
FDX/COL	UTP Port Full Duplex LED	ON	Full duplex
		OFF	Half duplex

V、 DIP switch instructions

Table 5.1 MC DIP switch instructions description

DIP-Bit Number	Switch Status	Function Descriptions
1	ON	LFP function enabled

	OFF	LFP function disabled
2	ON	No Function
	OFF	No Function
3	ON	Electrical port in forced to 10M
	OFF	Electrical interface of 10M/100M/1000M adaptive
4	ON	No Function
	OFF	No Function

VII、Fiber transmission features:

Table7.1 MC Transmission features

Fiber mode	TX Power dBm	Rx Sen dBm	Wave length	Distance
Multi-mode dual fiber	-8~-3	<-19.0	850nm	550m
Multi-mode dual fiber	-8~0	<-22.0	1310nm	1 Km
Single-mode dual fiber	-8~-1	<-22.0	1310nm	20 Km
Single-mode dual fiber	-6~0	<-24.0	1310nm	40 Km
Single-mode dual fiber	-5~0	<-24.0	1550nm	60 Km
Single-mode dual fiber	-2~5	<-24.0	1550nm	80 Km
Single-mode single fiber	-8~-1	<-22.0	A side:Tx1310nm/Rx1550nm B side:Tx1550nm/Rx1310nm	20 Km
Single-mode single fiber	-6~-0	<-24.0	A side:Tx1310nm/Rx1550nm B side:Tx1550nm/Rx1310nm	40Km
Single-mode single fiber	-5~0	<-24.0	A side:Tx1490nm/Rx1550nm B side:Tx1550nm/Rx1490nm	60Km
Single-mode single fiber	-2~+5	<-24.0	A side:Tx1490nm/Rx1550nm B side:Tx1550nm/Rx1490nm	80Km

VIII、Technical parameters:

- Standard: IEEE802.3z/AB 1000Base-T/SX/LX/ZX
- UTP Port: Twisted Pair RJ45
- Fiber Connector: SC/ST/FC or SFP slot
- Rate: Twisted Pair 10/100/1000Mbps
- Fiber 1000Mbps
- Twisted Pair: Category 5E or Category 6
- Fiber: Multimode, Single-mode
- Power Adapter: DC 5V1A
- Ambient temperature: 0~60℃
- Store temperature: -20~70℃
- Humidity: 5%~90%, Non-condensing
- Volume: 26*70*94mm

VI、Installation and Connections

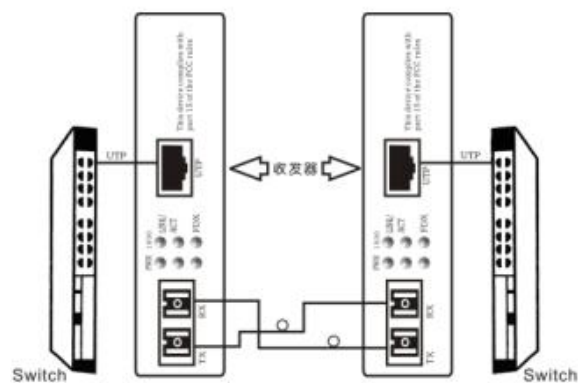


Figure 6.1 MC Connection diagram

IX、Packing list

Please check the following items in the package before installing the transceiver.

The box should contain the following items:

Media Converter	1set
AC/DC adapter	1pc
User Manual	1copy

Please contact the dealer immediately for any loss or damage to the above items.