

Manageable

Media Converter

10/100/1000Base-TX to

1000Base-FX

User's Manual

☛ Brief introduction

Thanks for purchasing the 10/100/1000Base-TX to 1000Base-FX Media Converter! This product supports IEEE802.3U IEEE802.3z 1000Base-TX/FX protocols. The following purchasing guide is for customer's reference.

☛ Packing list

Please check the following items in the package before installing the media converter.

- media converter 1set
- User's manual 1copy

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

☛ Installation

1. Interface

RJ-45 interface

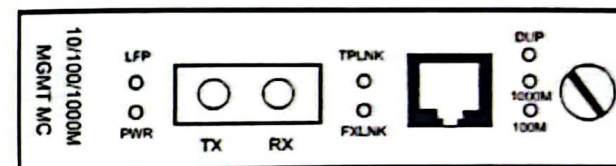
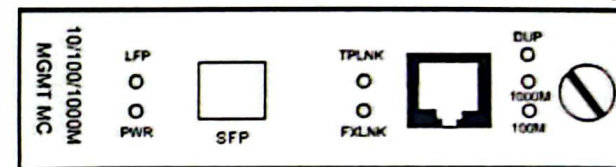
The transmission media adopts CAT5e or CAT6 twisted-pair with maximum length up to 100meters (330feets).

Fiber interface

Fiber interface is of duplex mode type, including two interfaces, namely TX and RX. When the two sets of optical transceiver are interfaced or connected to switch with fiber interface, the fiber is in cross connection, namely "TX-RX", "RX-TX" (direct butting for single optical fiber transceiver module).

2. Connection

The network device (IP camera, wireless AP, VoIP phone, etc) with RJ-45 interface is connected to RJ-45 jack of media converter through twisted-pair. And the multi/single mode optical fiber is connected to Fiber interface of the optical transceiver module. Then connect the AC power adaptor, the media converter will work. The corresponding LED is on for correct connection (See the table below for the LED indicator lamp).



☛ Description for LED indicator lamp

LED indicator lamps serve as device monitoring and trouble display. The following is the description for each LED indicator lamp.

LFP	ON: LFP enable
	OFF: LFP disable
PWR	ON: the power is on
	OFF: the power is off
TX/LNK	Bright: copper cable is connected well, but no data transmission
	Blinking: when receiving data

FX/LNK	Bright: optic fiber cable is connected well, but no data transmission
	Blinking: when receiving data
DUP	ON: Full duplex
	OFF: half duplex
1000M	ON: 1000M (TP)
	OFF: 100M/10M (TP)
100M	ON: 100M (TP)
	OFF: 10M/10M (TP)

☛ Introduction to DIP switches

NO		Status	Description
1	SW1	OFF	Remote
		ON	Local
2	SW2	OFF	Chassis
		ON	Stand lone

*combined keys

☛ Main features

1. In conformity to IEEE802.3U IEEE802.3z 1000Base-Tx/Fx standards.
2. Supports IEEE802.3x flow control.
3. Supports 100Base-FX interface.
4. Supports auto MDI-MDIX function.
5. Supports LFP function.

☛ Technical parameters:

1. Standard Protocol:
IEEE 802.3u 1000 Base-TX, IEEE802.3z, IEEE802.3ab standards
2. Connector: one UTP RJ-45 connector, one FIBER connector, one DC-inlet connector

3. Operation mode: full duplex or half duplex mode
 4. Power supply parameter: DC 5V
 5. Environmental temperature: 0°C-50 °C
 6. Relative humidity: 5%-90%
 7. TP cable: Cat5e or CAT6 UTP cable
 8. Optical fiber:
multi-mode:
50/125, 62.5/125 or 100/140 μ m
single mode:
8.3/125, 8.7/125, 9/125 or 10/125 μ m
 9. Dimensions:
115x77x26mm card
116x90x28mm Power external
155x128x32mm Power internal
- ☛ Cautions:
1. This product is suitable for indoor application.
 2. Put on the dust cover of fiber interface when not used.
 3. It is forbidden to stare at the TX fiber-transfer end with naked eyes.
 4. Single optical fiber transceiver must be used in pair.