10/100/1000 Base TX to 1000 Base FX

4 RJ45 ports & 2 SFP FE slots

Overview

1. Supports 10/100/1000Base-T, 1000Base-X protocol.
2. Flow control for full duplex and half duplex.
3. Supports up to 10k byte JUMBO frame.
4. Suppots Fiber Port Trunking, Increasing Fiber Channel Bandwidth and Supply Fiber Channel Redundancy.
5. Supports Ports Based VLANS and TAG Based VLANS.
6. In conformity to safety code of FCC and CE MARK.

Installation

1. Interface

RJ-45 interface

The transmission media adopts CAT5 twisted-pair with typical length of 100 meter. It features the function of automatically identifying the through line and cross wire.

Fiber interface

All of two fiber interface is for FE SFP transceivers. It is easy to change fiber module according to custom's requirement, such as link length, fiber type etc.

2. Connection

The network device (work station, hub or switch) with RJ-45 interface is connected to RJ-45 jack of Media Converter through twisted-pair. And the multi/single mode fiber is connected to SFP transceivers installed in SFP slots.

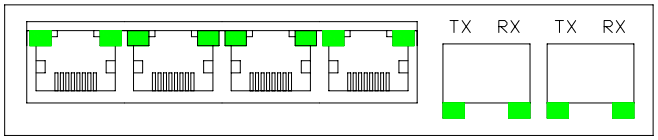

Table 1 : Front panel.

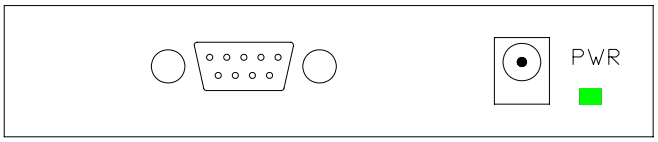

Table 2 : Back panel.

Explanation for LED indicator lamp

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

LED	function	status	Describing
PWR	Power LED	ON	Power is ON.
		OFF	Power is Fail.
FX-SD (RIGHT-DOWN)	Fiber port signal detect LED	ON	Optical Signal Detected
		OFF	No laser input.
FX-LINK/ACT (LEFT-DOWN)	Fiber port link/action status LED	ON	Fiber link is ok.
		Blink	Acted
		OFF	Fiber link is fail.
TX-SPEED (RIGHT-UP)	UTP port speed LED	3 Blinks	1000M speed
		2 Blinks	100M speed
		1 Blinks	10M speed
TX-LINK/ACT (LEFT-UP)	UTP port link/action status LED	ON	Link is ok.
		Blink	Data is been received or transmitted

Technical parameters:

1. Standard Protocol: 10/100/100Base-T, 1000Base-X protocol
2.Connector: Four UTP RJ-45connector, Two SFP SLOTS
3. Operation mode: full duplex mode or half duplex mode
4. Power supply parameter: outside: 5V DC 3A
5. Environmental temperature: 0 C-60 C
6. Relative humidity: 5%-90%
8. TP cable: Cat5 UTP cable
9. Transfer fiber:
   multi-mode: 50/125, 62.5/125 or 100/140μm
   single mode:: 8.3/125, 8.7/125, 9/125 or 10/125μm
10 .Dimensions:
40mm x 110mm x 140mm

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.

Trouble shooting:

1. Device is not matched. Please select the corresponding network device according to the transfer rate of the product (10Mbps,100Mbps,1000Mbps) when connected to other network devices (network card, hub, switch).
2. Line loss is excessive during the fiber wiring. Excessive loss in connector plug-in and fiber soldering welding, and excessive intermediate nodes may cause excessive loss rate or abnormal operation.

ORDERING INFORMATION FOR SFP TRANSCEIVERS

INSTALLED IN THE MEDIA CONVERTER

Part No.	Description	Fiber Connector	Wavelength	Distance	TX power(db)	RX sencitivity(dh)
B1-3850	155M SFP MM	LC	850nm	550m	-15 ~ -8	<-33
B1-3851	155M SFP SM	LC	1310nm	10 Km	-13 ~ -8	<-37
B1-3852	155M SFP SM	LC	1310nm	20 Km	-12 ~ -8	<-37
B1-3853	155M SFP SM	LC	1550nm	40 Km	-8 ~ -3	<-37
B1-3854	155M SFP SM	LC	1550nm	60 Km	-3 ~ 0	<-37
B1-3855	155M SFP BIDI	LC	A side:Tx1310nm/Rx1550nm B side:Tx1550nm/Rx1310nm	20 Km	-12 ~ -8	<-36
B1-3856	155M SFP BIDI	LC	A side:Tx1310nm/Rx1550nm B side:Tx1550nm/Rx1310nm	40 Km	-8 ~ -3	<-36
B1-3857	155M SFP BIDI	LC	A side:Tx1310nm/Rx1550nm B side:Tx1550nm/Rx1310nm	60 Km	-5 ~ 0	<-36