10/100M Fast Ethernet media converter with 2 Ethernet Ports & 1 Fiber Port

1. Features

1. Support Tag-VLAN、Port-VLAN
2. Support 10/100Base TX to 100Base FX， can be connected to relational networking equipments .；
3. With 128Kb RAM；
4. Support Automatic Switch between parallel lines and crossed lines .
5. With LED Lamps function .(link/activity, 10/100M，power)
6. Support select working-mode via Hyper terminal .
7. The transmission distance can up to 120Km .

2. Ethernet Standards

Comply with:

IEEE802.3

IEEE802.3u

3. Tables for panels and LED function .

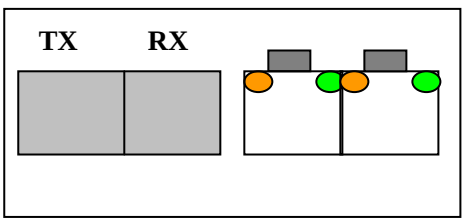

Table 3.1 Front panel

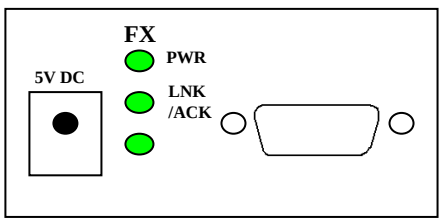

Table 3.1 Back panel

Table 3.3 LED Lamps function

LED Lamps	Functions	Status	Description
PWR	Power LED	on	Power is on and normal
		off	Power is fail
FX-SD	Fiber port link/action status LED	on	Fiber signals is detected
		off	No fiber signals
FX-LINK/ACT	Fiber port link/action status LED	on	Fiber link is in correct connection
		Blink	Data packet goes through FX end
		off	Fiber link is fail
TX-SPD (Left one)	UTP port speed LED	on	100M speed
		off	10M speed
TX-LINK/ACT (Right one)	UTP port link/action status LED	on	The UTP link is in correct connection
		Blink	Data packet goes through TX end
		off	The UTP link is fail

4.Seting in PC for converter :

1. Set the HyperTerminal in Windows system
2. Connect the RS232 interface port of converter to the COM1 or COM2 port of the PC ;
3. Value seting :
   1). Bits per second: 9600 ;
   2). Data bits: 8 ;
   3). Parity: None ;
   4). Stop bits: 1 ;
   5). Flow control: None ;
4. Select "Wrap lines that exceed terminal width" in the “ASCII” dialog-box.

After your finishing the above 4 seting steps ,then turn on the power of converter ,the HyperTerminal will show you the contect listed below：

1. Please select menu: [T] - Tag VLAN; [P] - Port VLAN; [R] - Read Register; [Other keys] - Quit.
2. Tag VLAN Set: [Y] - Yes; [N] - No; [Other keys] – Quit;
3. Tag Set: Please enter Port1 VLAN tag value;
4. Set Port1 VLAN Tag;
5. Please enter Port2 VLAN tag value;
6. Set Port2 VLAN Tag;
7. Please select VID index(0 - 7):

8. Port VLAN Set: Port VLAN enable? [Y] - Yes; [N] - No; [Other keys] – Quit;
9. Continue set? [Y] - Yes; [N] - No.
10. Note: If you exit, at next setting you must reset media converter.

After doing all the above seting ,if the converter doesn't work ,then you need to re-turn on the converter.If you do not visit the converter via the HyperTerminal within 20 minutes,then the converter will work at power-saved mode，You can reset the converter by re-turnning on it .

PC1、PC2、PC3、PC4 can form different VLAN by seted different TAG marks ,this can implement the keeping data packet secret.

5. Technical Specifications

1. Standard Protocol: IEEE802.3 10 Base-T standard , IEEE 802.3u 100Base-TX/FX standard
2. Connector:Two RJ-45 connector,one SC/ST fiber connector .
3. Operation mode: full duplex mode or half duplex mode
4. Power supply parameter: outside: 5V DC 1A
   built-in: 110-265V AC 48VDC
5. Environmental temperature: 0℃-60 ℃
6. Relative humidity: 5%-90%
7. TP cable: Cat5 UTP cable
8. Fiber :50/125,62.5/125um multi-mode fiber ; 9/125,10/125um single-mode fiber.
9. Dimensions:
   External power supply: 26mmx 71mm x 94mm
   Built-in power supply: 40mm x 110mm x 140mm