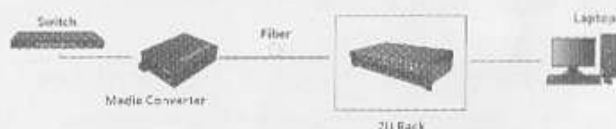


Installation and Connection

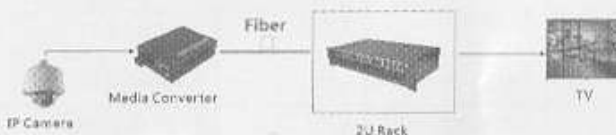
* When connecting with PC, twisted-pair are parallel lines.

* When connecting switch concentrator, twisted-pair are cross-wire.

* Connecting with IP Network



* Connecting with IP camera



Caution

* The connection of optical interface must match single mode/multimode for Tx and Rx.

* Dual fiber, Tx and Rx must be same wavelength; Single fiber, Tx and Rx as corresponding crossed wavelength.

Applicable optical cable

* Multimode optical cable:
50/125um, 62.5/125um, 100/140um.

* Single optical cable:
8.3/125um, 8.7/125um, 9/125um, 10/125um.

* UTP Cable: Cat5/5e, Cat6

* Confirm the input voltage of equipment:
110V/220V or 12V/24V/48V, then connect with corresponding power adapter, PWR indicator will be on when suitable power supply.

Technical Parameter

Items	10/100M Media Converter	10/100/1000M Media Converter
Transmission Type	Fast Ethernet	Gigabit Ethernet
Transmission Mode	10/100M Full/half duplex	10/100/1000M Full/half duplex
MTBF	>3 years	> 3 years
BER	<1E-8	<1E-8
Data Buffer	1Mbits	1Mbits
Power Stability Factor	0.2mw/°C	0.2mw/°C
Input Power Range(dBm)	0~-30	0~-40
Operation Temperature	0°C~70°C	0°C~70°C
Storage Temperature	-45°C~80°C	-45°C~80°C
Maximum Current	800mA	800mA
Power	2.5w	2.5w
EMC	Accord with FCC Part15	Accord with FCC Part15
Volume	External: L×W×H 95×70×26mm	
	Internal: L×W×H 140×110×30mm	

Optional LFP Function

10/100Mbps

No fiber signal when Network disconnected, vise versa.

10/100/1000Mbps

No Network signal when fiber disconnected.

Packing List

Please check the following items from package before installing the converter

1* Fiber Media Converter

1* Power Adapter

1* User Manual

User Manual

Fiber Media Converter

Overview

The non-managed fiber media converter is designed with a switch controller and buffer memory that connects two types segments operation smoothly. The converter can be used as standalone type or as card type to the 2U 19" converter rack-mount chassis for centralized power management.

Data Rate: 10/100Mbps, 10/100/1000Mbps.
 Fiber Type: 550M/2KM for Multimode;
 20/40/60/80/120KM for Single mode.
 Optic Connector: SC(optional)/ST/FC/LC

Features

1. Built-in efficient exchange kernel, Broadcasting filtration function, flow control, CRC error check.
2. Supports SPANNING TREE to conduct fault-tolerant Network.
3. Supports 10/100Mbps or 10/100/1000Mbps full/half duplex self-adaptive transmission and auto-negotiations ,easy upgrades.
4. Max.transmission distance can be 120km.
5. External power or Built-in power.
6. Standalone type can be installed into 14slot 2U Rack; Card type into 16slot Rack.

7. Hot-swap, high reliability;

8 Cache capacity: 1M Bits.

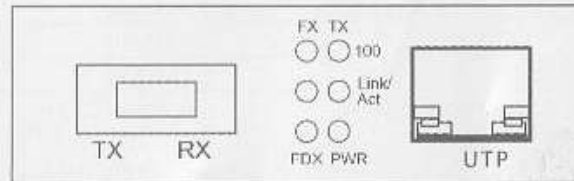
9. Built-in MAC address buffer space : 1K.

Standards Protocol

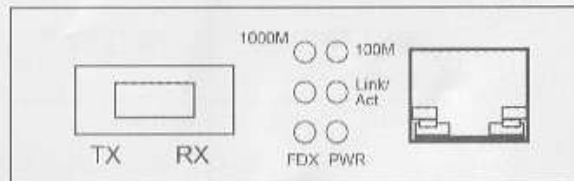
IEEE802.3 Ethernet standard
 IEEE802.3u fast Ethernet standard
 IEEE802.3d Spanning Tree standard

Panel Structure Chart

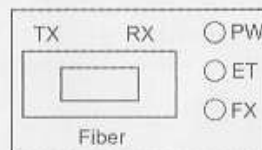
- 10/100Mbps Media Converter



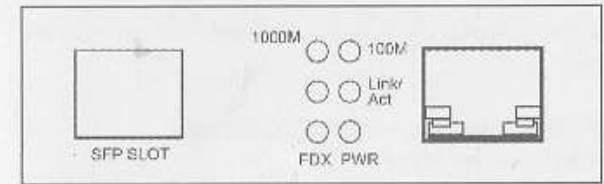
- 10/100/1000Mbps Media Converter



- 10/100Mbps Mini Type Media Converter



- Front Panel of SFP Media Converter



LED Status Instruction

LED	FUNCTION	STATUS	OPERATION
PWR/ PW	POWER	ON	Power on
		OFF	Power off
FX	Optical Signal	ON	Connected
		OFF	Not link
TX	Ethernet	ON	Connected
FDX	Ethernet	ON	Full duplex
		OFF	Half duplex
100/ ET	Ethernet	ON	100Mbps signal
		OFF	10Mbps signal
Link/ Act	Fiber/ Ethernet	ON	Connected
		FLASH	Data flow
		OFF	Not link
100M	Ethernet	ON	100Mbps signal
1000M	Ethernet	ON	1000Mbps signal