Trademarks

Copyright Statement

FCC Warning

CE Mark Warning

1. Checklist

The package should contain the following items:

- The Media Converter
- AC-DC Power Adapter
- User's Guide

Please notify your sales representative immediately if any item is missing or damaged.

2. Overview

This Media Converter is designed to meet the massive needs for Gigabit network deployment and able to extend a copper based Gigabit network via fiber cable. It is fully compliant with IEEE802.3, 802.3u, 802.3ab and 802.3z standards. It can be installed into a 16-Slot Universal Media Converter Rack. The installation and operation procedures are simple and straightforward. Operation status can be locally monitored through a set of Diagnostic LED indicators located in the front panel.

Major Features:

- TP and Fiber Auto-Negotiation
- MDI/MDIX Auto-Crossover
- Flow Control and Back Pressure
- 9K bytes Jumbo Frame
- Store and Forward switching mechanism
- 1K MAC address
- Link Alarm
- 100/1000Mbps dual rate fiber uplink

3. Installation

- Attach fiber cable from the Media Converter to the fiber network. The fiber connections must be matched – transmit socket to receive socket.

- Attach a UTP cable from the 10/100/1000BASE-T network to the RJ-45 port on the Media Converter.

- Connect the power adapter to the Media Converter and check that the Power LED lights up. The TX Link/Act and F/O Link/Act LEDs will light up when all the cable connections are satisfactory.
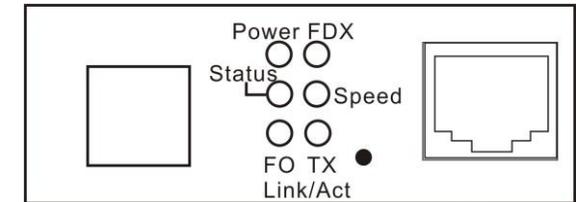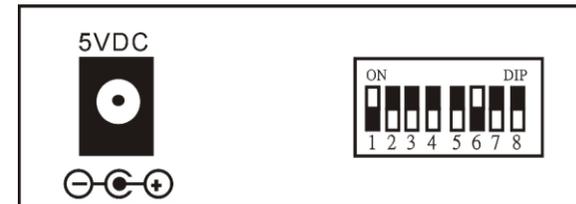

Fig 1. Front Panel of the Media Converter

Fig 2. Rear Panel of the Media Converter

4. DIP SWITCH Setting

The default setting for PIN 1 and 6 is ON. The rest pins are OFF.

Pin NO.	Function	OFF	ON
1	TP Auto-Negotiation	Disable	Enable
2	Manual TP speed	10M	100M
3	Manual TP speed	N/A	1000M
4	Duplex mode	Half	Full
5	Flow Control	Disable	Enable
6	F/O mode	Force	Auto
7	Link Alarm	Disable	Enable
8	Reserved	-	-

NOTE:
❶Before changing TP speed, duplex mode and flow control setting, please make sure PIN 1 is set to OFF.
❷When TP speed is set to 10M or 100M manually, PIN 3 needs to be turned OFF.
❸Under 1000Mbps, it supports full-duplex mode only.

5. LED Description

LED	Color	Function
Power	Green	Power is available.
TX Link/Act	Green	TX cable connection with remote device is good.
	Blinking	TX traffic is present.
FO Link/Act	Green	F/O works in 100M.
	Orange	F/O works in 1000M.
	Blinking	F/O traffic is present.
FDX	OFF	TX works in Half-Duplex.
	Green	TX works in Full-Duplex.
Speed	OFF	TX works in 10M.
	Green	TX works in 100M.
	Orange	TX works in 1000M.
Status	Green	TX and F/O link is up.
	Orange	TX or F/O link is down.

6. Technical Specifications

Standards	IEEE 802.3, 802.3u, 802.3ab, 802.3z
Interface	1 X 10/100/1000 RJ-45 connector
	1 X 100/1000 F/O port or SFP slot
LED	Power, FDX, Status, Speed,
	FO Link/ACT, TX Link/ACT
Power	I/P: AC100-240V; O/P: DC5V, 2A
Power Consumption	2.2W
Shipping Weight	0.6KG
Dimensions	71mm(W)X94mm(D)X26mm(H)
Temperature	Operating: 0º~50ºC; Storage: -20º~60ºC
Humidity	5%~90% RH
Certification	FCC/CE Class A
Media	TP: EIA/TIA-568 CAT 5e, 1000M
	Fiber 9/125, 10/125um single-mode fiber

*Please contact us for further reports and updates.

Fiber Transceiver Information

100M/1000M Dual Speed

10/100/1000BASE-T to 100/1000BASE-X Standalone Gigabit Media Converter

User's Guide

Version 1.1