5.Installing the Converter

5.1 For as a standalone unit:

5.1.1 Verify if the AC-DC adapter conforms to your country AC power requirement then insert the power plug

5.1.2 Check the type of UTP (see fig.3)

UTP complies with IEEE802.3 Standards, and has two types: T568A T568B.

G G O B B O P P O O G B B G P P

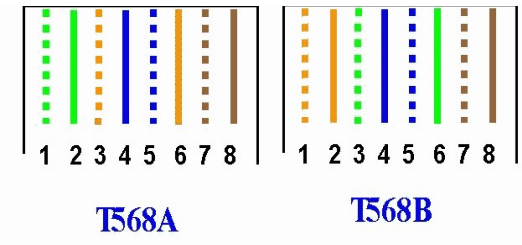


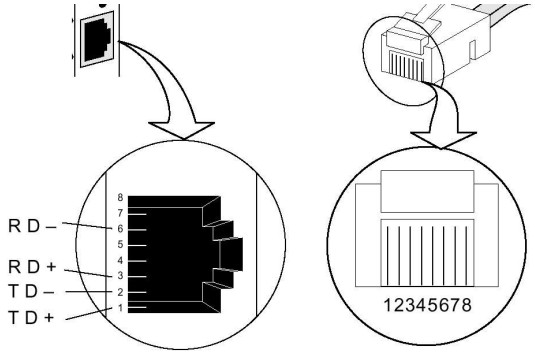
Fig.3 The type of UTP

NOTE: G: Green; **O:** Orange; **B:** Blue; **P:** Palm

Parallel cable: connect T568A to T568A , or T568B to T568B

Crossing-over cable: connect T568A to T568B

5.1.3 TP port list (Fig.4)



5.2 Installing

5.21 TP port installing

Media converter autodetect and connect the parallel lines RJ-45 port or the cross lines the RJ-45 port.

5.22 Fiber port installing

Connect the fiber-optic transceiver on the media converter with the Single-mode SC fiber connectors.

5.23 Connect to switch power adaptor

5.24 Check the appearance that converter instructions light

If connection right, the PWR, TP/1000 LED is bright; Otherwise checking the Fiber port and TP port.

Note: Connecting to Router, Bridge or Switch, please refer to the device's Technical Manual.

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Singlemdoe

Simplex Type A/B

Dulplex-TX-RX

Distance 20KM

10/100/1000Base-TX Fast

Ethernet Media Converter

User's Manual

V 1.0

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1. Overview

The Media Converter complies with IEEE802.3z， IEEE802.3AB Standards. It is designed to convert data signal between 10/100/1000 Base-TX and 1000Base-FX fast Ethernet. It supports 10/100/1000Base-TX and 1000Base-FX applications. The data signal converted by such high performance media converter can be transmitted up to 120Km maximum by fiber-optical cable.

The Converter is equipped with two fiber optic connectors (One for transmitting-TX and another for receiving-RX) and one RJ-45 Jacks and one external power supply receptacle. Six LED indicators are built-in for easy diagnosing and monitoring the status of power, Unshielded Twisted Paired (UTP) Link, UTP Activity, Fiber Link, Fiber Activity, Full duplex and data rates. It can be configured automatically for Full Duplex or Half Duplex operation.

It is compact, cost-effective, low dissipative, high reliable and stable.

2. Specifications:

2.1 Performance introduction (Table 1)

Parameter	Type
Data rate (Mbps)	10/100 /1000
Optical wavelength (nm)	850,1310, 1550(for over 120Km long distance)*
Fiber type(μ m)	Single mode 9/125* Multi-mode 50/125*
Connector type	SC/PC or ST/PC
Max distance (km)	20,40,60,100,120
Power supply	2A,+5VDC±5%
Operating temperature	0～50℃
Storage temperature	-40～80℃
Relative humidity	5% to 95% non condensing
Size	95mm×71mm×26mm

Table 1: performance introduction

*Note: Please refer to Specifications.

2.2 Appearance (Fig.2, Table2)

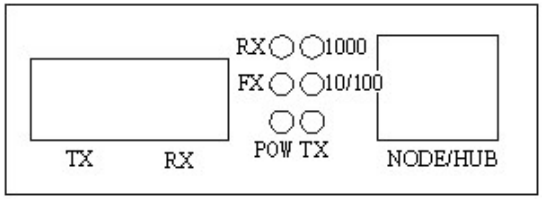

fig.2 Front Panel

LED	Color	Funtion
RX	Green	The light on means the TX port is receiving data
TX	Green	The light on means the TX port is transmitting data
FX	Green	The light on means the FX port is connected. The light blinking means the FX is transmitting data
1000	Green	The light on means the speed of TX is 1000M.
POW	Green	The light on means the power is connected.
10/100	Green	The light on means the TX port's speed is 100M. The light off means TX port's peed is 10M.

Table 2.LED performance

3. DC Jack and AC-DC Power Adapter

The DC jack's central post is 2.5mm wide.

AC Input: 85～265VAC 50/60Hz

DC Output: 2A, +5VDC

4. Check list

Before you start installing the Converter, verify the package contains the following:

1) The10/100/1000Base-TXto1000Base-FX Ethernet Media Converter------×1
2) The AC-DC Power Adapter ------×1
3) This User's Manual----------×1

Please notify your sales representative immediately if any of the aforementioned items is missing or damaged.