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

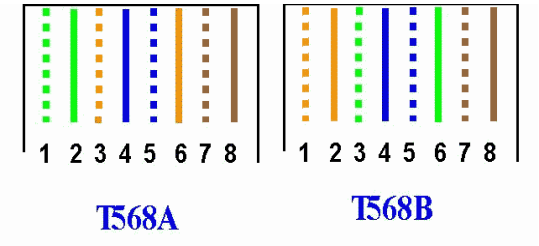


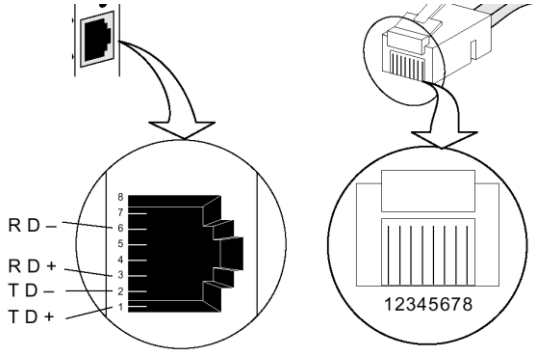
Fig.3 The type of UTP

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

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, L/A 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.

10/100Base-TX Fast Ethernet

Media Converter

User's Manual

V 2.2

1. Overview

The Media Converter complies with IEEE802.3, IEEE802.3u, IEEE802.3x Standards. It is designed to convert data signal between 10/100 Base-TX and 100Base-FX fast Ethernet. It supports 10/100Base-TX and 100Base-FX applications. The data signal converted by such high performance media converter can be transmitted up to 80Km maximum by fiber-optical cable.

The Converter is equipped with one fiber optic connector (The same one connector for transmitting-TX and for receiving-RX) and two 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. It can be used in standalone applications, or Rack-Mounted applications where multiple media converter can be inserted into a rack-mount chassis (Up 10 units), and allowing all the converters to be powered by a single internal power supply.

2. Specifications:

2.1 Performance introduction (Table 1)

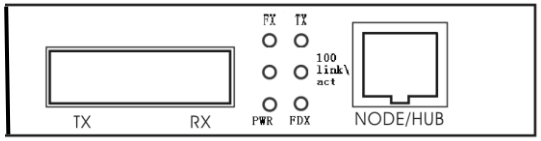
Parameter	Type
Data rate (Mbps)	10/100
Optical wavelength (nm)	1310 1550
Fiber type(μ m)	Single mode 9/125
Connector type	SC/PC or ST/PC
Max distance (km)	20,40,60,80*
Power supply	1A,+5VDC±5%
Operating temperature	0～70℃
Storage temperature	-40～+80℃
Relative humidity	5% to 90% non condensing
Size	119mm×71mm×26mm

Table 1: performance introduction

*Note: Please refer to Specifications.

2.2 Appearance (Fig.2, Table2)

fig.2 Front Panel



LED	Color	Function
FX/ACT	Green	Lit when fiber connection is good Blink when fiber data is active
FX	Green	Lit when full-duplex mode is active
TX/ACT	Green	Lit when TP connection is good, Blink when TP data is active
TX	Green	Lit,100Mbps; Non-light 10Mbps
FDX	Green	Lit when full-duplex mode is active
PWR	Green	Lit when +5V power is coming up

Table 2.LED performance

3. DC Jack and AC-DC Power Adapter

The DC jack's central post is 2.5mm wide, it conforms to the DC receptacle (2.5mm) on the 19-inch Converter Rack slot or AC-DC Power adapter.

AC Power Supply:
AC Input: 85～265VAC 50/60Hz

4. Check list

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

1) The 10/100Base-TX to 100Base-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.