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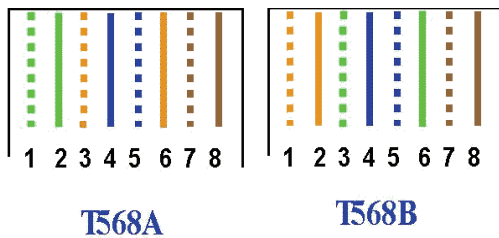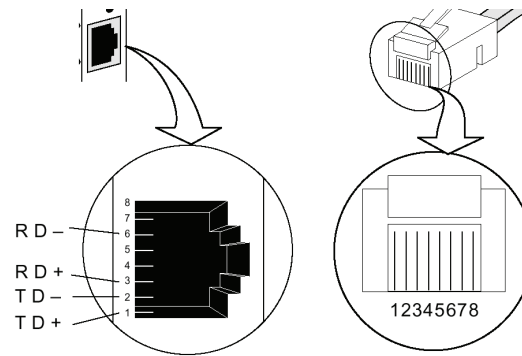
G G O B B O P P   O O G B B G P P

T568A   T568B

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)

R D –
R D +
T D –
T D +

12345678

5.2 Installing

5.21 TP port installing

The parallel lines connect the RJ45 port (have the "⎓"the marking connect)
The cross lines connect the RJ45 port (have the "⟩⟨" the marking connect)

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

Manual

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 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 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)	850,1310, 1550(for over 60Km long distance)*
Fiber type(μm)	Single mode 9/125* Multi-mode 50/125*
Connector type	SC/PC or ST/PC or FC/PC
Max distance (km)	20,40,60,100*
Power supply	2A,+5VDC±3%
Operating temperature	0~50℃
Storage temperature	-40~80℃
Relative humidity	5% to 90% non condensing
Size	95mm×71mm×26mm

Table 1: performance introduction

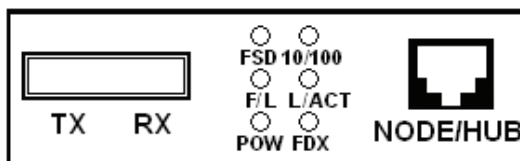*Note: Please refer to Specifications.

2.2 Appearance (Fig.2, Table2)

fig.2 Front Panel

LED	Color	Function
FSD	Green	If the light is on,FX port is good of physical connect.
10/100	Green	Light on means TX port speed is 100Mbps ,light off means TX port speed is 10M
L/ACT	Green	Light on means TX port is connected; Light blizing means it is receiving data from TP
F/L	Green	Light on means FX port is connected;Light blizing means it is receiving data from TP
POW	Green	Light on means the power is connected
FDX	Green	Light on means full duplex working mode; Light off means half duplex working mode

Table 2.LED performance

3. Power Adapter

AC Input: 85~265VAC   50/60Hz

Or   DC Input: -48VDC

DC Output: 2A, +5VDC±3%

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 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.