Fast Ethernet Media Converter
10/100Base-TX to100Base-Fx
TP-to-ST/SC/FC/MT-RJ
User'Manual

1.Overview

IEEE802.3/IEEE802.3U Ethernet supports two types media for network connection such as 10/100 Base-TX and 100Base-FX. The Fast Ethernet Fiber converter is designed with a switch controller and buffer memory that connects two types segments operation smoothly.

By connecting a 10/100Base-TX twisted pair device to a 100Base-FX compliant ST or SC port, this converter can greatly increase the flexibility of Ethernet cabling ins tal!ations.

The diagnostic LED indicators for Powe, FX Link/Act TP1 Link/Act 100, Tp2 Link/Act 100 and Full-duples provide precise information to monitor network status.

2. Model Description

Model	Connector Type
TP←→ST/SC/FC	RJ-45 10/100TX←→ST/SC/FC 1310nm
TP←→ST/FC	RJ-45 10/100TX←→ST/FC 1550nm
TP←→ST/FC	RJ-45 10/100TX←→ST/FC 1310/1550nm WDM
**TP←→VF-45	RJ-45 10/100TX←→VF-45 1310nm
**TP←→LC/MT-RJ	RJ-45 10/100TX←→LC/MT-RJ 1310nm

The 100Mbps 1310nm Fiber Transceivers:	
ST/SC multi-mode 2Km	Default
*SC:S20/S40/S60/S80/S120Km single-mode	Optional
**VF-45 multi-mode 2Km，single-mode 0～60Km	**
**LCMT-RJ multi-mode 2Km,single-mode 0～60Km	**

The 100Mbps 1550nm Fiber Transceivers:	
*SC:S80/S100/S120Km single-mode	Optional
**LC: S80/S100/S120Km single-mode	**

The 100Mbps 1310/1550nm WDM Fiber Transceivers:	
*SC:S25/S40/S60/80Km single-mode WDM	Optional
** FC:S25/S40/S60/80Km single-mode WDM	Optional
** LC:S25/S40/S60/80Km single-mode WDM	**

* SC single-mode S20/S40/S60/S80/S100/S120Km are optional
** VF-45,MT-RJ models are available on request only

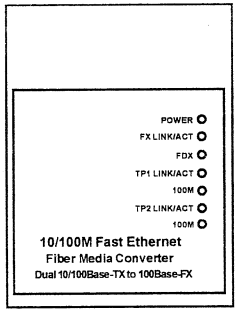
3.Package Contents

Before you start installing the Converter.Check the package Contains the following:
1.The TP-Fiber Converter; 2.AC-DC Power Adapter; 3.This User's Manual
Please contact your local dealer immediately, if any of the aforementioned items is missing or damaged.

4.Identifying External Pars

Front Panel

The Fast Fiber conberter contains12 LEDs.Please refer to the figure below for LED placement.



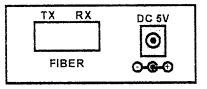
Power:
Indicate this unit is supplied with suitable power.
FX Link/Act: On:Indicate this unit is receiving link pulse from FX device
FDX: Indicate the unit is operating in full-duplex.

TP1 Link/Act:On:Indicate this unit is receiving link pulse from TX . Blinking: Indicate the unit is receiving packet from TX .
100: On:Indicate this unit is 100Mbps speed from TX to FX device. Off:Indicate this unit is 10mbps from TX device.

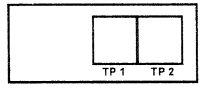
Tp2 Link/Act:On:Indicate this unit is receiving link pulse from TX . Blinking: Indicate the unit is receiving packet from TX .
100: On:Indicate this unit is 100Mbps speed from TX to FX device. Off:Indicate this unit is 10mbps from TX device.

Side View

TX and RX fiber port: This port is for 100Base-FX connection.
TP1-2port: This port is for 10/100Base-TX connection.

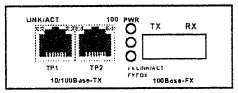


Front

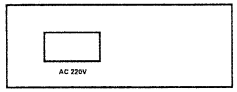


Back

Inside power



Front



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5.Installation

A) Sesect the appropriate length Cat.5 twisted pair cable, then connect one end of the twisted pair cable to the RJ-45 jack on the converter and the other end of twisted pair cable to the RJ-45 jack on any 10/100Base-TX device.
B) Connect one end of a fiber cable to either ST or SC connector on the converter and the other end of the fibercable to the ST or SC connector on the other 100Base-FX device.
C) Veryfy the AC-DC adapter conforms to your country AC power requirement and attach the power adapter DC jack to the converter. Verify that the Power LED light up.
D) Verify that TX/FX Link/Act LEDs light up when cable connection is correct, and TX/FX Link/Act LEDs blinks to indicate traffic activity.

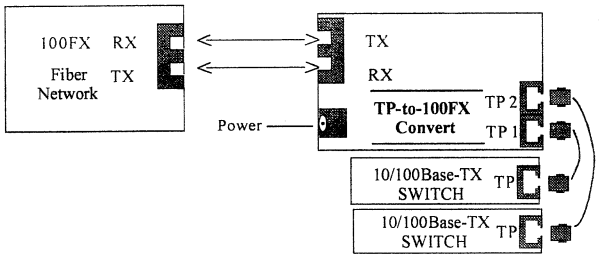

Fig.1a Dual-Fiber Network Connect

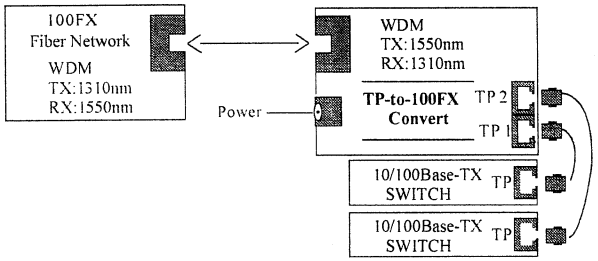

Fig1. 1b Single-Fiber(WDM) Network Connection