2、Back-to-Back Configuration

100base TX switching hub

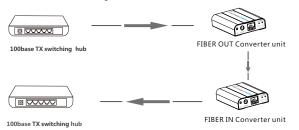FIBER OUT Converter unit

100base TX switching hub

FIBER IN Converter unit

NOTE : Under this connection，FIBER OUT unit and FIBER IN unit
        can change order with each other

Connection description
1. Connect the converter units with switches, hubs or routers or
   via CAT5 cable trough RJ45 port.
2. Use a fiber to connect the FIBER OUT unit with FIBER IN unit.
3. All devices connect with power supply and turn ON, this Fast
   Ethernet Media Converter works.

• **FAQ**

Q: UTP or Fiber Link LED is not lit

A: 1）Check the power switch on the network device connected to
      the converter, make sure it is turned on.

   2）Check the network cable; make sure the UTP cable complies with
      EIA/TIA 568 specification and fiber optic cables comply with
      industry standards.

Q: Fail to transmit data
1）Make sure all cables are connected well.
2）If the FX LED does not light (not operates in full-duplex mode),
   make sure the fiber distance does not exceed the maximum distance
   listed below. If the FX LED lights, the fiber distance should not exceed
   the available maximum distance of the converter, for example 500m
   (Multi-mode fiber) or 20Km(Single-mode fiber).

• **Specification**

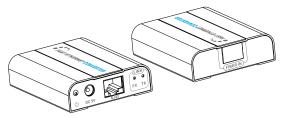| Item	Specification
Standards	IEEE 802.3x ,100Base-TX and 100Base-FX
Fiber connector	SC
Fiber mode	Support Multi-mode Fiber(MMF) and Single-mode Fiber(SMF)
Transmission distance	20Km（SMF），500m（MMF）
Transmission mode	Full-Duplex or Half-Duplex (according to connected device)
Transmission rate	100M
Operation temperature	0℃～60℃
Operation humidity	10-95% (Noncondensing)
Power supply	5V/1A
Power Consumption	＜3.5W
Dimensions	67.2x53.6x17mm
Weight	TX:0.1kg RX:01kg
Color	Black

Disclaimer

The product name and brand name may be registered trademark of related
manufacturers.TM and ® may be omitted on the user manual. The pictures
on the user manual are just for reference,and there may be some slight
difference with the real products.
We reserve the rights to make changes without further notice to a product
or system described herein to improve reliability, function or design.

Fast Ethernet Converter

User Manual

Thank you for purchasing this product. For optimum performance and safety, please read the instructions carefully and keep the manual for future reference.

• Important safety notice

1、Please read the user manual carefully before use this product, and keep these instructions
2、Follow all instructions
3、This converter must be installed and operated within the limits of specified operating temperature and humidity
4、Do not place objects on top of the unit
5、Do not position the converter near any heating source such as heater, radiator, or direct exposure to sun
6、Prevent entering of water and moisture into the unit. If necessary, use dehumidifier to reduce humidity
7、Use DC 5V power supply only. Make sure the specification matched if using 3rd party DC adapters

• Product Introduction

This is a Fast Ethernet standard compliant converter, includes a FIBER OUT unit and a FIBER IN unit. This converter allows users to convert the Fast Ethernet transmission media from UTP to fiber or fiber to UTP. Each unit comes with one 100Base-TX twisted pairport (RJ45) and a 100Base-FX fiber port(SC). The transmission distance is up to 500 meters (Multi-Mode Fiber) or 20 kilometers (Single-Mode Fiber). This Fast Ethernet Converter's operation mode(Half-/Full-Duplex) is solely depending on the Fast Ethernet devices connected to. The converter is plug and play, no need to configure it.

• Product Features

1、Compliant to IEEE 802.3x ,100Base-TX , 100Base-FX
2、Provides 100Mbps UTP and fiber media link
3、Fiber connectivity of up to 500m (Multi-mode) or 20Km (Single-mode)
4、Transparent translation between different media segment
5、Convenient uplink to switches/hubs through UTP uplink port
6、Auto-Negotiation, half/full-duplex
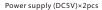7、Plug and play
8、Compact and smart design

• Package Contents

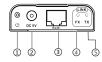FIBER OUT Converter unit×1pcs   FIBER IN Converter unit×1pcs

Power supply (DC5V)×2pcs   User manual×1pcs

• Installation Guideline

1.The nodes connected to the converter must operateat 100Mbps.
2.The two nodes connected to the ports of the converter must operate with the same duplex mode.
3.The devices connected to the media converter can be network adapter, hubs, switches or routers
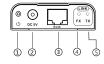
• Panel Description

1.Panel of FIBER OUT unit

① Power indicator
② DC5V power port
③ 100Base-TX port
④ FX indicator: indicates status of fiber signal
   LED lights : fiber signal connected
   LED twinkles fast : fiber signal transmitted
⑤ TX indicator: indicates status of network signal
   LED lights : network signal connected
   LED twinkles fast : network signal transmitted
⑥ FIBER OUT port: fiber transmit port

2.Panel of FIBER IN unit

① Power indicator
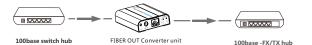② DC5V power port
③ 100Base-TX port
④ FX indicator: indicates status of fiber signal
   LED lights : fiber signal connected
   LED twinkles fast : fiber signal transmitted
⑤ TX indicator: indicates status of network signal
   LED lights : network signal connected
   LED twinkles fast : network signal transmitted
⑥ FIBER IN port: fiber receive port

• Connection and Instruction

Drawing

1、Standalone Configuration

100base switch hub   FIBER OUT Converter unit   100base -FX/TX hub

100base -FX/TX hub   FIBER IN Converter unit   100base switch hub

NOTE : Under this connection , please distinguish FIBER OUT unit and FIBER IN unit