# 10/100M Fiber Ethernet Media Converter With 4 RJ45 Ports & 1 Fiber Port



## 1. Overview

The 10/100M Fiber Ethernet Media Converter series is designed to meet the massive needs for network deployment and able to extend a copper based Fast network via fiber cable to a maximum distance up to 120KM.

Our 10/100M Fiber Ethernet Media Converter series is fully compliant with IEEE802.3, IEEE802.3U, 10/100Base-TX, 100Base-FX, standards. The installation & operation procedures are simple & straightforward. Operation status can be locally monitored through a set of Diagnostic LED lamps.

### Features

10/100Base-TX to 100Base-FX Media Converter

1) 5 ports 10/100M ethernet switch with built in transceivers and memory;

2) Build in SRAM for frame buffer;

3) Build in storage of 1K MAC address;

4) Compliance with IEEE802.3, 802.3u, 802.3x standard;

5) Compliance CSMA/CD Protocol;

6) Converter twisted-pair cable to 100Base-Fx fiber;

7) Support 10/100Mbps auto-negotiation for RJ45 ports;

8) Support auto MDI/MDI-X function for RJ45 ports;;

9) Passed maximum frame size 1536 bytes;

10) Broadcast storm protection;

11) Fiber Port SC/PC (single/multi-mode ),the transmission distance can up to 120Km.
    RJ45 Port: 100m for 100Base-Tx UTP Cat.5 cable.

12) Inside power: AC 220/110V

13) Power Consume: < 5W.

## 2. Installation

• Attach fiber cable from the media converter to the fiber network. The fiber connections must be matched – transmit socket to receive socket, the TX ,RX fiber cable must be paired at both ends .

• Attach a UTP cable from the 10/100BASE-T network to the RJ-45 ports on the media converter .

• Connect the power adapter to the media converter and check that the Power LED lights up. The LINK/ACT LEDs will light up when all the cable connections are satisfactory.

## 3. LED Description
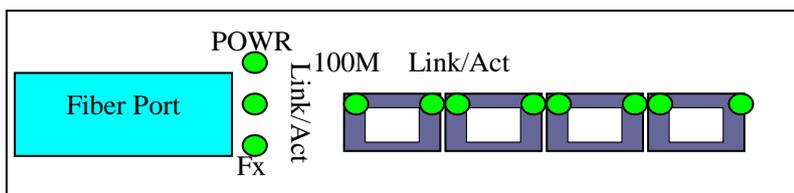
Picture1.Front View
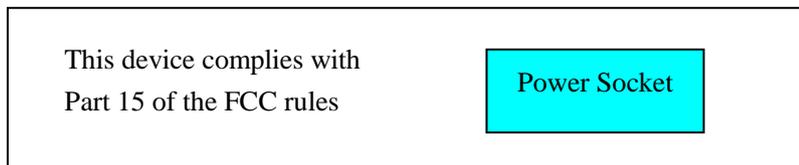
Picture2.Back View

Power : When the power is on and valid ,the LED will solid ON

100M: When the RJ45 port is working at 10M speed ,the LED lamp is off; when 100M speed , it will solid ON

Link/Act: When Fiber or UTP link is valid ,the LEDs will solid on;When data is exchanging ,the LEDs will blink;

FX:      When the fiber signals is detected the LED will ON .

## 4. Technical Specifications

1. Standard Protocol: IEEE802.3 10 Base-T standard

          IEEE 802.3u 100Base-TX/FX standard

2.Connector:Four RJ-45 connector,one SC/ST fiber connector .

3. Operation mode: full duplex mode or half duplex mode

4. Power supply parameter: outside: 5V DC 3A

                               built-in: 110-265V AC      48V DC    12V DC

5. Environmental temperature: 0℃-60 ℃

6. Relative humidity: 5%-90%

7. TP cable: Cat5 UTP cable

8.Fiber:50/125,62.5/125um multi-mode fiber ; 9/125,10/125um single-mode fiber.

9. Dimensions: 40mm x 110mm x 140mm

## Cautions:

1. This product is suitable for indoor application.

2. Put on the dust cover of fiber interface when not used.

3. It is forbidden to stare at the TX fiber-transfer end with naked eyes.

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## FCC Warning

The 10/100M Fast Ethernet Media Converter series have been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These standards are designed to provide reasonable protection against harmful interference when these devices are operated in a commercial environment. These devices generate, use, and can radiate radio frequency energy and may cause harmful interference to radio communications unless installed in accordance with this User's Guide. Operation of these devices in a residential area is likely to cause harmful interference which will make the user responsible for the appropriate remedial action at his / her own expense.

## CE Mark Warning

These are Class A products. In a domestic environment these products may cause radio interference in which case the user will need to consider adequate preventative methods.