

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



## Overview

It converts 10/100BASE-TX Fast Ethernet twisted-pair signals to 100BASE-FX Fast Ethernet fiber signals. This converter has the ability to support distances of up to 2 kilometers for multi-mode fiber and up to 25 kilometers for long-haul single mode fiber between a LAN switch, file server and another networking device. Six LEDs are provided to monitor the operation status of the converter, this media converter is equipped with an RJ-45 port and a fiber optic ST or SC or WDM port, allowing it to quickly integrate a 10/100Base-TX network into a 100Base-FX (fiber) network.

## Key Features

1. Plug and play, high performance, Low power consumption
2. Complies with IEEE802.3 (10BASE-T) and IEEE802.3u (100BASE-TX/FX) standards
4. LFP (Link Fault Pass-through) function with 113C chipset
5. Electrical port supports Auto-Negotiation for 10Mbps or 100Mbps, full duplex or half duplex data.
6. Automatic MDI/MDI-X crossover
7. Distances up to: 2 km Single mode, 25 km Single Mode
8. SC connectors
9. Status LED's for TX,FX LINK/ACT, POWER,100M to easily monitor network status
- 10.External power adapter

## Applications

- ▶ Access Control Systems
- ▶ Building and Environmental Control Systems
- ▶ Tamper Switch
- ▶ 10/100 Mbps Ethernet Media Converter
- ▶ High Speed Computer Links

## Technical Specifications

Parameters	Specifications
Standards	IEEE802.3u (100Base-TX/FX), IEEE 802.3 (10Base-T)
Data Transfer Rate	100Mbps: 148,800 pps 10Mbps: 14,880 pps
Wavelength	Multi-mode: 850 nm or 1310nm Single-mode: 1310 nm , 1550 nm
Transmission Distance	Fiber: Multi-mode: 2 km (fiber size: 62.5/125 or 50/125 μm) Single-mode: 25/40/60/100/120 km UTP: Cat. 3/4/5/6: 100 m
Port	One RJ45 port, One Fiber (ST/SC)
MDI/MDI-X	Auto selection
LED Indicator	PWR: Green Illuminated to indicate unit is operating under normal operation TX LNK/ACT: Green Illuminated indicates receiving link pulses from compliant copper device and flashes when data being sent / received FX LNK/ACT: Green Illuminated indicates receiving link pulses from compliant fiber device and flashes when data being sent / received 100M: Green Illuminated when data packets are being transmitted at 100 Mbps
Power Supply	Outside: 5 V DC 1 A Built-in: 100 V to 240 V AC 50 Hz to 60 Hz
Operating Temp	0 °C to +70 °C
Storage Temp	-20 °C to +80 °C
Storage Humidity	5% to 90% (non-condensing)
Dimensions	95 mm × 70 mm × 25 mm
Net Weight	0.165 kg