

## Description

The media converter card complies with IEEE802.3, IEEE802.3u, IEEE802.3x Standards. It is designed to convert data signal between 10/100 Base-Tx and 10/100 Base-Fx fast Ethernet. The data signal converted by such high performance media converters can be transmitted up to 120km maximum by fiber-optical cable. The converter card is equipped with two fiber optic connectors for transmitting-Tx and for



receiving-Rx and one RJ-45 Jack auto-negotiation MDI/MDI-X. Six LED indicators are built-in for diagnosing and monitoring the status of power. It can be configured automatically for Full Duplex or Half Duplex operation. It's compact, cost-effective, low power consumption, reliable and stable. It can be used in stand-alone applications with 220VAC or -48VDC power.

## Features

- ◆ It can be inserted into rack-mount chassis or insert into stand-alone shell.
- ◆ Compliant with IEEE802.3 10BASE-T and IEEE802.3u 100BASE-TX standards for UTP connection and IEEE802.3u 100BASE-FX standards for fiber connection.
- ◆ Extending the Ethernet distance by converting UTP to fiber-optic.
- ◆ Providing 10/100Mbps auto-negotiation port with RJ-45 connector.
- ◆ Single-mode, Multi-mode, WDM Bi-direction types are available.

## Display

LED	Color	Function
Power Indicator	Green	Lit when power is on
RX Activity	Green	Blink when TP data is active
TXL Link Status	Green	Lit when TP connection is good; Blink when TP data is active
FXL Link Status	Green	Lit when fiber connection is good; Blink when fiber data is active
FDX Full or Half Duplex	Green	Lit when full-Duplex mode is active
SPD Speed Indicator	Green	Lit when speed is 100M

## Specifications

Item	Parameter
Standards	IEEE802.3 , IEEE802.3u ,IEEE802.3x
Data Rate	10/100Mbps
Operating Wavelength	850±20nm, 1310±25nm, 1550±25nm
Transmit distance	Multi-mode: 2Km、 5Km Single-mode: 25Km、 40Km、 60Km、 80Km、 120Km
Fiber Interface	SC,FC,ST Fiber converter
Fiber type	Multi-mode: 50/125um or 62.5/125um Single-mode: 9/125um
RJ45 port	UTP-1000ohm Cat.5 cable up to 120km
Internal power supply	100~275VAC,50~60Hz,0.2A
Power consumption	5W
Operation temperature	0℃~60℃
Storage temperature	10℃~70℃
Humidity	5%~95%(Non-condensing)
EMI and Safety	CE,FCC Class A
Dimension:	74mm*78mm(2U), 78mm*116mm(3U)
Weight:	0.2Kg

## Applications

- ◆ Ethernet Network