



# 10/100/1000 Singlemode Media Converter 40km ST (1310nm)

FO-MC2014 - Specifications

## Description

This singlemode fiber optic media converter can extend a 10/100/1000 Mbps Ethernet connection up to 40km over a singlemode ST fiber optic cable. The converter can be used as a standalone unit or in pairs.

## Features

- Supporting IEEE802.3 10 Base-T standard, IEEE802.3u 100Base-TX/FX standard
- Supporting maximum 2M buffer memory built in chip
- Supporting back pressure flow control for full duplex IEEE 802.3X and half duplex
- Supporting automatic identification of MDI/MDI-X cross line
- Supporting high performance 1.4Gbps memory bandwidth

## Physical Characteristics

Color	Black
Dimensions	98mm x 71mm x 26mm (L x W x H)
Housing	Metal
Operating Temperature	0°C ~ 60°C
Relative Humidity	5% to 90% (non-condensation)
Standards	IEEE802.3 10 Base-T IEEE802.3u 100Base-TX/FX

## Power

Power Supply	Outside: 5V DC 2A Built-in: 110-265V AC 48VDC
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## Connectors

Fiber Connector	ST
Ethernet Connector	RJ45 UTP

## Performance

Transmission Distance	8.3/125, 8.7/125, 9/125 or 10/125um 40km
Data Forward Rate	10Mbps, 100Mbps, 1000Mbps
Wavelength	1310nm





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### LED Status Description

LED	Function	Status	Description
PWR	Power LED	ON	Power is ON
		OFF	Power is OFF
100M	UTP port	ON	Laser is Receiving
FX/ACT	Fiber Port Link/Action Status LED	ON	Fiber Port is Linked
		BLINK	Fiber Port is Active
		OFF	Fiber Port is Not Linked
1000M	UTP Port Speed LED	ON	1000M Speed
TP/ACT	UTP Port Link/Action Status LED	ON	UTP Port is Linked
		BLINK	UTP Port is Active
		OFF	UTP Port is Not Linked
FDX	UTP Port Duplex LED	ON	Full Duplex
		OFF	Half Duplex

### Certifications

CE	Yes
FCC	Yes
RoHS	Yes

### Packaging Information

Package Quantity	1
Product Weight	0.85 lbs [0.03kg]

### Warranty Information

Warranty	1 Year
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