10/100/1000 Singlemode media converter 40km SC (1310nm)

FO-MC2012 - Specifications

Description

This singlemode fiber optic media converter can extend a 10/100/1000 Mbps Ethernet connection up to 40km over a singlemode SC fiber optic cable. The converter can be used as a standalone unit or in pairs. It can also be mounted into a 19" media converter chassis.

Physical Characteristics

Color	Black
Dimensions	98mm x 70mm 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 10Base-T IEEE802.3u 100Base-TX/FX IEEE802.3u 1000Base-TX/FX

Power

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

Connectors

Fiber Connector	SC
Ethernet Connector	RJ45 UTP

Performance

Media Supported	Standard Protocol: IEEE802.3 10Base-T Standard
	IEEE802.3u 100Base-TX/FX Standard
	Singlemode Fiber (8.3/125um, 8.7/125um or 10/125um)
Referenced Transmission Distance	Dual-Fiber Singlemode - 40km
Data Forward Rate	10Mbps, 100Mbps, 1000Mbps
Features	In Conformity to IEEE802.3 10 Base-T Standard
	In Conformity to IEEE802.3u 100Base-TX/FX Standard
	Max 2M Buffer Memory Built in Chip
	Back Pressure Flow Control for Full Duplex IEEE802.3 X and Half Duplex
	Automatic Identification of MDI/MDI-X Cross Line
	High Performance 1.4Gbps Memory Bandwidth

Certifications

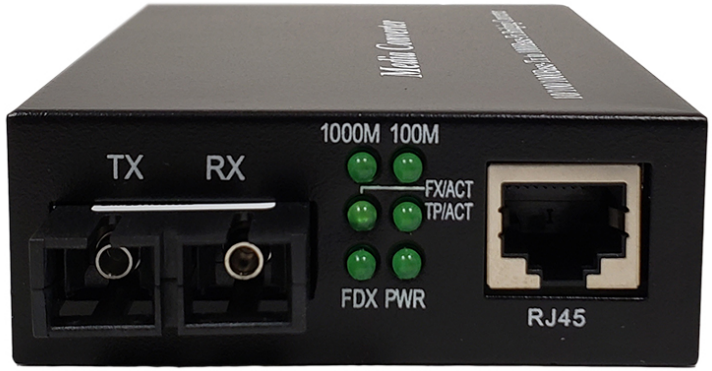
CE, FCC, RoHS	Yes

Packaging Information

Package Quantity	1
Product Weight	0.85 lbs [0.03kg]

Warranty Information

Warranty	1 Year



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FO-MC2012 - Information

LED Status Description

LED	Function	Status	Description
PWR	Power LED	ON	Power is ON
		OFF	Power is OFF
100M	UTP Port	ON	100M Speed
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 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

Transmission Characteristics

Optical Wavelength (nm)	Optical Power(dbm)	Sensitivity (dbm)	Transmission Distance (km)
1310nm	0 ~ -5dbm	<- 24dbm	40