Description

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

Features

- Supporting inter-conversion between 10/100/1000Base-TX and1000Base-SX
- Supporting full-duplex and half-duplex and its auto-sensed
- Supporting automatic cross connection of twisted pair interfaces, facilitating system commissioning and installation
- Supporting the transmission of extra-long VLAN packets
- Supporting Quality of Service (QoS) and ensuring the transmission of VoIP packets;
- Supporting STP to form a redundant network

Physical Characteristics

Color	Black
Dimensions	95mm x 71mm x 26mm (L x W x H)
Housing	Metal
Operating Temperature	0°C ~ 45°C
Storage Temperature	-10°C ~ 70°C
Operating Humidity	10% to 90% (non-condensation)
Storage Humidity	10% to 90% (non-condensation)
Standards	IEEE802.3 10Base-T
	IEEE802.3u 100Base-TX
	IEEE802.3ab 1000Base-T
	IEEE802.3z 1000Base-SX/LX

Power

Power Supply	DC 5V 1A
Power consumption	5W

Warranty Information

Warranty	1 Year

Connectors

Fiber Connector	SFP 3.3V with LC Connector
Ethernet Connector	RJ45 UTP

Performance

Media Supported	10Base-T: CAT5e, CAT6 UTP
	100Base-TX/FX: CAT5e, CAT6 UTP
	1000Base-TX/FX CAT5e, CAT6 UTP
	Singlemode Fiber (8.3/125um, 9/125um)
Transmission Distance	Dual-fiber single-mode: 40km
	Category-5 twisted pair: 100m
Data Forward Rate	10Mbps, 100Mbps, 1000Mbps
Features	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
Wavelength	850nm/1310nm/1550nm
Delay	<10us
BER	<10-9
MTBF	100,000 hours

Certifications

CE, FCC, RoHS	Yes

Packaging Information

Package Quantity	1
Product Weight	0.85 lbs [0.03kg]

LED Status Description

LED	Function	Status	Description
PWR	Power LED	ON	Power is ON
		OFF	Power is OFF
FX	Fiber Single Detect LED	ON	Laser is Receiving
		OFF	No Laser Input
LINK/ACT FX	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
		OFF	100M Speed
LINK/ACT TX	UTP Port Link/Action Status LED	ON	UTP Port is Linked
		BLINK	UTP Port is Active
		OFF	UTP Port is Not Linked
FDX/COL	UTP Port Duplex LED	ON	Full Duplex
		OFF	Half Duplex