

Fiber Media converter

Fiber media converters, which give you economic solutions for media conversion between fiber and copper Ethernet. It provides you SC, FC or ST connectors for your fiber optic cables and RJ45 for twisted pair UTP cable connection. The maximum extension is up to 120km over fiber.

Features:

- * In conformity to IEEE802.3 10base-T, IEEE802.3u 100 base-TX/FX, IEEE802.3ab 1000 base-T, IEEE802.3z, 1000base-SX/LX, IEEE802.1a, IEEE802.1P/Q/S, IEEE802.1d Spanning Tree.
- * Hot Pluggable & Wall-Mountable.
- * Stable performance more than 50 thousand hours with fault-free.
- * Unique IC solution applied.
- * Supports 10/100Mbps and 10/100/1000M full/half duplex, easy upgrades.
- * Auto MDI/MDI-X.
- * Auto Negotiation.
- * Support flow control.
- * Concentrated into EF16-D220(16slot for media converter cards) or BT-EF1 4-D220(14slot for media converter standalone type) 2U rack-mount chassis.
- * Stable performance more than 50 thousand hours with fault-free.
- * In conformity with safety code of FCC, CE and RoHS.

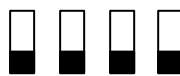
Specifications:

Optical Interface	Connector	1x9 SC/FC/ST
	Data Rate	100Mbps, 1000Mbps
	Duplex Mode	Full duplex
	Fiber	MM 50/125um, 62.5/125um SM 9/125um
	Distance	100Mbps: MM 2km, SM 25/40/60/80/100/120km 1000Mbps: MM 550m/2km, SM 20/40/60/80/100km
	Wavelength	MM 850nm, 1310nm SM 1310nm, 1550nm WDM Tx1310/Rx1550nm (A side), Tx1550/Rx1310nm (B side) WDM Tx1490/Rx1550nm (A side), Tx1550/Rx1490nm (B side)
UTP Interface	Connector	RJ45
	Data Rate	10/100Mbps, 10/100/1000Mbps
	Duplex	Half/full duplex
	Mode	
	Cable	Cat5, Cat6
Power Input	Adapter Type	DC5-12V



Power Consumption		< 3W
Weight	Adapter Type	0.39kg
Dimensions	Adapter Type	94*70.5*26.5mm
Temperature		0~50°C Operating; -40~70°C Storage
Humidity		5~95%(no condensing)
MTBF		≥10.0000h
Certification		CE,FCC,RoHS

Optional - DIP SWITCH:



1 2 3 4

Figure 1. Dip Switch Dip Switch, Top

position is ON, Low position is OFF

Table 1. Dip Switch Function

No.	Switch Function	Description
1	Jumbo	
2	LFP	Link fault pass through(LFP) (ON)
		Default Disable status(OFF)
3	FDX	TP_Force Speed_Mode Duplex_Mode (ON)
4	FLOW	4 Function Mode ON Modified cut-through switch OFF Converter Mode

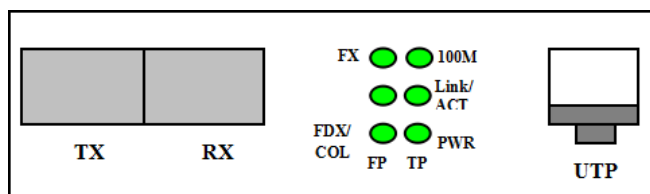


Table 2 LED function

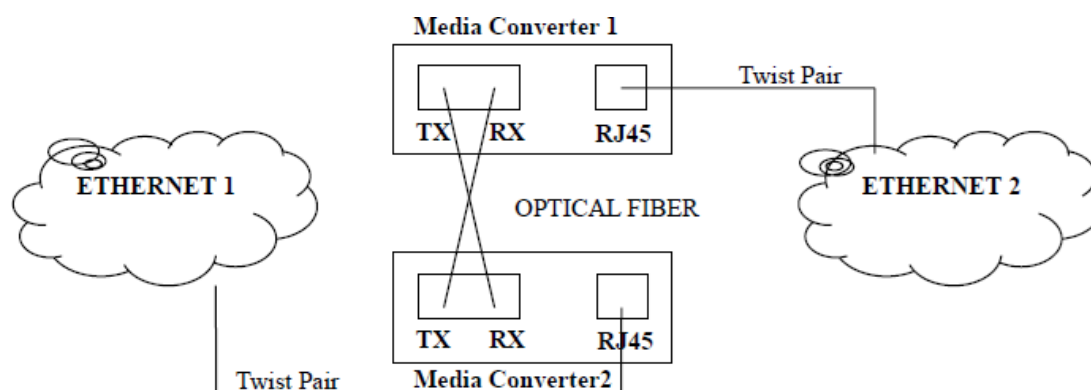
LED	function	status	Describing
PWR	Power LED	ON	Power is ON.
		OFF	Power is Fail.



FX	Fiber port signal detect LED	ON	Laser is receiving.
		OFF	No laser input.
FX-LINK/ACT	Fiber port link/action status LED	ON	Fiber link is ok.
		Blink	Data is receiving or transmitting
		OFF	Fiber link is failed.
100M	UTP port speed LED	ON	100M speed
		OFF	10M speed
TX-LINK/ACT	UTP port link/action status LED	ON	Link is ok.
		Blink	Data is receiving or transmitting
		OFF	Link is failed.
TX-FDX/COL	UTP port duplex LED	ON	Full duplex
		OFF	Half duplex

Application:

- * Extend your Ethernet connection up to 0~120km away using fiber optics
- * Creates an economical Ethernet-fiber/copper-fiber link for connecting remote sub-networks to larger fiber optic networks/backbones
- * Converts Ethernet to fiber, fiber to copper/Ethernet, ensuring optimum network scalability for connecting two or more Ethernet network nodes (e.g. connecting two buildings on the same campus)
- * Designed to provide high-speed bandwidth for demanding large scale work groups that require expansion of Gigabit Ethernet Network



Part Number:

Items Name	Part Number
10/100 Mbps SM SF LLF 25 km Side A	11S-L25A-AT
10/100 Mbps SM SF LLF 25 km Side B	11S-L25B-AT
10/100/1000 Mbps SM SF LLF 25 km Side A	111S-L25A-AT
10/100/1000 Mbps SM SF LLF 25 km Side B	111S-L25B-AT

