



OVERVIEW

Media Converter is 10/100/1000Mbps fast Ethernet converter. The converter mediates between a 10/100/1000Base-TX segment and a 1000Base-FX segment. It is primarily designed for large, higher speed/bandwidth demanding work groups that require expansion of the Ethernet network. It can extend the conventional 10M Ethernet or 100/1000M Fast Ethernet to 20Km-120Km via the fast Ethernet Fiber-optical Line. It is high performance, cost effective and flexible solutions for a wide range of applications in the field of LAN campus network.

FEATURES

- Provide one fiber connector and one UTP connector
- Fully complies with IEEE802.3 10Base-T, IEEE802.3u 100Base-TX, IEEE802.2ab 1000Base-TX, IEEE802.3z 1000Base-FX standard
- Auto-detection of half/full duplex transfer mode for TX port
- Auto-negotiation of 10/100/1000Mbps rate and Auto-MDI/MDIX for TX port
- Provide switch configuration of half/full duplex transfer mode for FX port
- Extend fiber distance up to 2km for multi-mode fiber and 20-120km for single-mode fiber
- Compact size for easy installation and working with Media Chassis
- Choice of fiber-connector from SC
- Easy-to-view LED indicators provides status to easily monitor network activity Internal power supply
- 1000Base-SX: 50/125µm or 62.5/125µm multi-mode fiber cable, up to 220/550m
- 1000Base-T: 2-pair Cat. 5/5e/6 UTP cable, up to 100 meters
- Back pressure flow control for full duplex IEEE802.3 X and half duplex.

OPTICAL FIBER

Standard Protocol	IEEE802.3 1000 Base-T standard	
	IEEE802.3u 10/100/1000Base-SX/TX standard	
	IEEE802.1q, IEEE802.1p QoS	
	IEEE802.1d Spanning Tree	
	IEEE 802.3z standard.	
	IEEE 802.3ab standard.	
Band Width	RJ 45 Port: 10/100/1000Mbps	Optical Port: 1.25Gbps
Operation Mode	Full /Half duplex mode	
Connectors	UTP: RJ-45	Fiber connector: SC
Operation Mode	Full /Half duplex mode	
LED Indicators	POWER, FPL, 10/100, FRX, TRX , FDX.	
Power Supply	External	5V DC 2A
	Internal	AC110-250V/50Hz
		DC -32~-72V
	Power Consumption	≤5W
Environmental Parameters	Work Temperature	0°C~50°C (32 °F ~ 122 °F)
	Storage Temperature	-40°C~70°C (-40 °F ~ 158 °F)
	Humidity	5%~90% non-condensing
TP Cable	Cat5 UTP cable (the max distance up to 100m)	
Fiber Cable	8. 3/125, 8. 7/125, 9/125, 10/125μm(the max distance up to 20 -120km)	
	50/125, 62. 5/125μm(the max distance up to 2km or 5km)	
MTBF (Hours)	>50000	
Dimensions(mm)	External power supply	94mm*70mm*25mm (3.7 *2.8*0.98 inch)
	Internal power supply	140mm*110mm*30mm (5.5 *4.3 *1.2 inch)
	Socket Card	157mm*128mm*31mm (6.2 *5.1 *1.2 inch)
Gross Weight	External power supply	0.4 kg
	Internal power supply	0.8kg
	Socket Card	1.0kg
Emission/Safety	FCC Part 15 , Class A, RoHS and CE Mark	

ORDER INFORMATION

P/N	Description
COT-2002	10/100 Mbps Dual Fiber Media Converter
COT-2103	10/100/1000 Mbps Dual Fiber Media Converter