



## FIBER MEDIA CONVERTER 10/100/1000 Mbps

### DESCRIPTION

METACOM 10/100/1000Media Converter is 10/100/1000Mbps fast Ethernet converter. The converter mediates between a 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 connectors and RJ-45 connector

### 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 10/100/1000Mbpa 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

Compacts size for easy installation and working with Media Chassis

Choice of fiber connector from SC, LC and WDM, multi-mode / single-mode fiber for 1000Base SFP interface

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.

## TECHNICAL SPECIFICATION

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 802.3d standard.	
	IEEE 802.3Q standard.	
Band Width	RJ45Port:10/100/1000Mbps	Optical Port: 1.25Gbps
Operation Mode	Full /Half duplex mode	
Connectors	UTP: RJ-45	Fiber connector: SC/ST/FC /LC
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
	Power Consumption	DC -32~-72V
Environmental Parameters	Work Temperature	≤5W
	Storage Temperature	0°C~50°C (32 °F ~ 122 °F )
	Humidity	-40°C~70°C (-40 °F ~ 158 °F )
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	

## APPLICATION



## ORDERING INFORMATION

PART NUM	DESCRIPTION
MCMC-G-S-OS2-I-20	10/100/1000 -MEDIA CONVERTER SM-SC-20KM-INTERNAL POWER-UK
MCMC-G-S-MM-I-20	10/100/1000-MEDIA CONVERTER-MM-SC-2KM-INTERNAL POWER-UK

