10/100 Ethernet to Multi Mode Fiber Media Converter SC 2 km

Product ID: MCM110SC2GB

The MCM110SC2GB 10/100 Multi Mode Fiber Ethernet Media Converter SC 2 km creates an economical, cost-effective Ethernet-fiber link, transparently converting to/from 10Base-T or 100Base-Tx Ethernet signals and 100Base-Fx optical signals to extend an Ethernet network connection over an SC terminated multimode fiber backbone.

The converter supports a maximum multimode fiber optic cable distance of 2 kilometers (1.2 miles), providing a simple solution for connecting 10Base-T/100Base-Tx Ethernet networks to remote locations using SC-terminated multimode fiber, while delivering solid network performance and scalability.

This versatile GbE Ethernet to Fiber converter is compatible with most 3COM, Cisco, Lucent and Nortel networks and fully complies with applicable IEEE 802.3 standards.

Backed by a StarTech.com 2-year warranty and free lifetime technical support.

Certifications, Reports and Compatibility

Applications

• Extend your Ethernet connection up to 2km away using fiber optics

• Designed for large, higher speed bandwidth that has a demanding work groups that require expansion of fast Ethernet Network

• Connect via fiber optics two or more building on the same campus

• Connect remote sub-networks to larger fiber optic networks/backbones

Features

• Supports a maximum multi mode fiber optic cable distance of 2 km

• Compatible with most 3COM, Cisco, Lucent and Nortel networks

• Supports transparent Q-in-Q double tagged frames

• Supports Link Fault Pass through (LFP)

• Supports IEEE 802.1q Tag VLAN pass thru

• Supports flow control (Pause)

• Provides switch configuration of half/full duplex transfer mode for FX port

• LED Indicators for simple Ethernet/Fiber network link monitoring

• Forward 9K jumbo packets in converter mode

• Auto negotiation or Force 10/100 Mbps and MDI/MDI-X (Crossover for TX port)

• Auto detects half/full duplex transfer mode from the TX port

• Manual controls for UTP mode, speed, Full and Half Duplex, and LFP (Link Fault pass-through) on/off

• Compact design

• Simple installation

Hardware

Warranty	2 Years	
PoE	No	
WDM	No	
Industry Standards	IEEE 802.3 10BASE-T	
	IEEE 802.3u 100BASE-FX	
	IEEE 802.3u 100BASE-TX	

Performance

Maximum Data Transfer Rate	10/100Mbps	
Max Transfer Distance	2 km (1.2 mi)	
Type	Multi Mode	

Wavelength	1310nm
Fiber Operating Mode	Half/Full-Duplex
MTBF	65,000 Hours

Connector(s)

Local Unit Connectors	RJ-45
Remote Unit Connectors	Fiber Optic SC Duplex

Indicators

LED Indicators	Ethernet Link & Activity (ON - Fiber Link ok, Blinking - Activity on Fiber Link)
	FEF [Far End Fault](On - Fault Detected, Off - No Fault
	Fiber Link & Activity (On - Fiber Link ok, Blinking - Activity on Fiber Link)
	Full (Full duplex / Half duplex)
	Power
	Speed (10 or 100 Mbps)

Power

Power Source	AC Adapter Included
Input Voltage	100 - 240 AC
Output Voltage	12V DC
Output Current	0.2A
Center Tip Polarity	Positive
Plug Type	M
Power Consumption (In Watts)	2.4

Environmental

Operating Temperature	0C to 50C (32F to 122F)
Storage Temperature	-10C to 70C (14F to 158F)
Humidity	10~90% RH

Physical Characteristics		
	Color	Black
	Product Length	3.7 in [95 mm]
	Product Width	3.0 in [75 mm]
	Product Height	0.8 in [20 mm]
	Weight of Product	3.2 oz [90.5 g]

Packaging Information		
	Package Length	6.9 in [17.5 cm]
	Package Width	5.7 in [14.5 cm]
	Package Height	2.6 in [65 mm]
	Shipping (Package) Weight	9.9 oz [280 g]

What's in the Box		
	Included in Package	Media Converter
		Power Adapter
		User's Manual
		EU power plug
		UK power plug

Product appearance and specifications are subject to change without notice.