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

Product ID: MCM110SC2

The MCM110SC2 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 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, high speed work groups that require expansion of fast Ethernet Networks

• Connect via fiber optics two or more buildings 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

• Compact design

• 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

• 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	1 - RJ-45
Remote Unit Connectors	1 - Fiber Optic SC Duplex

Indicators

LED Indicators	1 - Ethernet Link & Activity (ON - Ethernet Link OK, Blinking - Activity on Ethernet Link)
	1 - FEF [Far End Fault](On - Fault Detected, Off - No Fault
	1 - Fiber Link & Activity (On - Fiber Link OK, Blinking - Activity on Fiber Link)
	1 - Full (Full duplex / Half duplex)
	1 - Power
	1 - Speed (Off - 10Mbps, On - 100 Mbps)

Power

Power Source	AC Adapter Included
Input Voltage	100 - 240 AC
Output Voltage	12V DC
Output Current	1A
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
	Material	Plastic
	Product Length	3.7 in [9.5 cm]
	Product Width	3.0 in [7.5 cm]
	Product Height	0.8 in [2.0 cm]
	Weight of Product	3.0 oz [84.0 g]

Packaging Information

	Package Quantity	1
	Package Length	6.9 in [17.4 cm]
	Package Width	5.7 in [14.6 cm]
	Package Height	2.5 in [6.4 cm]
	Shipping (Package) Weight	9.5 oz [270.0 g]

What's in the Box

	Included in Package	1 - Media Converter
		1 - Power Adapter
		1 - User's Manual

*Product appearance and specifications are subject to change without notice.