

10/100 Multi Mode Fiber Copper Fast Ethernet Media Converter ST 2 km

Product ID: MCM110ST2GB



This Ethernet to MM Fiber Media Converter creates a cost-effective Ethernet to 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 a multimode fiber backbone.

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

Easy to setup and install, this compact, value-conscious media converter features auto-switching MDI and MDI-X support on the RJ45 UTP connections as well as manual controls for UTP mode, speed, Full and Half Duplex, as well as LFP (Link Fault pass-through) on/off.

Certifications, Reports and Compatibility

Applications

- Connect remote sub-networks to larger fiber optic networks/backbones
- Connect via fiber optics two or more buildings on the same campus
- Designed for ethernet expansion, primarily for large workgroups requiring higher network speeds and increased bandwidth
- Extend your Ethernet connection up to 2km away at full speed using fiber optics.

Features

- 1310nm wavelength
- Auto detects half/full duplex transfer mode from the TX port.
- Auto negotiation or Force 10/100 Mbps and MDI/MDI-X (Crossover for TX port).
- Compatible with 3COM, Cisco, Lucent and Nortel networks
- Forward 9K jumbo packets in converter mode
- It's compact design and weight makes it portable and unobtrusive to carry
- LED Indicators for simple Ethernet/Fiber network link monitoring
- Provides switch configuration of half/full duplex transfer mode for FX port.
- Support flow control (Pause)
- Supports a maximum multi mode fiber optic cable distance of 2 km
- Supports a maximum packet size of 1600 bytes.
- Supports IEEE 802.1q Tag VLAN pass thru
- Supports IEEE 802.3 10Base-T, 802.3u 100Base-TX and 100Base-FX industry standards
- Supports Link Fault Pass through (LFP)
- Supports Q in Q double tagged frame transparent
- Includes both the UK and EU power plug adapters

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	Fiber Optic ST Duplex
	RJ-45

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 (32°F to 122F)
Storage Temperature	-10C to 70C (14°F to 158F)



Humidity	10~90% RH
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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
	UK power plug adapter
	Power Adapter
	User's Manual

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

