

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

**Product ID:** MCM110ST2



The MCM110ST2 10/100 Multi Mode ST Fiber Ethernet Media Converter (2 km) 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 ST media 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 fast Ethernet 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.

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

### Certifications, Reports and Compatibility



### Applications

- Provides connectivity to a user or network segment that is in an isolated area of a large complex or in another building altogether
- Perfect for secure environments required by government agencies where EMI is not acceptable
- Connect traffic control/monitoring systems at extreme distances to the main office

- Extend network connectivity to remote areas of stadiums, auditoriums or other venues
- Converts 10/100Base-T Ethernet to 100Base-FX fiber optic signals over multimode fiber cable

## Features

- Supports a maximum multi mode fiber optic cable distance of 2 km
- Supports full or half-duplex operation
- Compatible with 3COM, Cisco, Lucent and Nortel networks
- Supports Link Fault Pass through (LFP)
- Supports IEEE 802.3 10Base-T, 802.3u 100Base-TX and 100Base-FX industry standards
- Supports IEEE 802.1q Tag VLAN pass thru
- Supports Q in Q double tagged frame transparent
- LED Indicators for simple Ethernet/Fiber network link monitoring
- Support flow control (Pause)

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### Hardware

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

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### 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

Optical Power	-14 ~ -20 dBm
Sensitivity	-31 dBm
MTBF	65,000 Hours
Power Budget	11 dB

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#### Connector(s)

Local Unit Connectors	1 - Fiber Optic ST Duplex
	1 - RJ-45

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#### Indicators

LED Indicators	1 - Speed (10 or 100 Mbps)
	1 - Power
	1 - Full ( Full duplex / Half duplex)
	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 - Ethernet Link & Activity (ON - Fiber Link ok, Blinking - Activity on Fiber Link)

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#### 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

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#### Environmental

Operating Temperature	0C to 50C (32&degF to 122F)
Storage Temperature	-10C to 70C (14&degF to 158F)

Humidity 10~90% RH

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**Physical Characteristics**

Color	Black
Material	Plastic
Product Length	3.7 in [95 mm]
Product Width	3.0 in [7.5 cm]
Product Height	0.8 in [2 cm]
Weight of Product	2.9 oz [82 g]

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**Packaging Information**

Package Quantity	1
Package Length	6.9 in [17.5 cm]
Package Width	5.7 in [14.6 cm]
Package Height	2.5 in [6.4 cm]
Shipping (Package) Weight	9.0 oz [254.0 g]

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**What's in the Box**

Included in Package	1 - Media Converter
	1 - Power Adapter
	1 - Instruction Manual

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**Warranty Information**

Warranty	2 Years
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***\*Product appearance and specifications are subject to change without notice.***