

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

StarTech ID: MCM110ST2



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.

### Applications and Solutions

- 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

## Technical Specifications

- Color: Black
- Connector Types: 1 - Fiber Optic ST Female
- Connector Types: 1 - RJ45 Female
- Fiber Operating Mode : Half/Full-Duplex
- Product Height: 0.91 in [23.21 mm]
- Humidity: 90% RH
- Industry Standards: IEEE 802.3 10Base-T
- Industry Standards: IEEE 802.3u 100Base-TX
- Industry Standards: IEEE 802.3u 100Base-FX
- Input Voltage: 115 AC
- Interface A: 1 - Fiber Optic ST Female
- Interface B: 1 - RJ45 Female
- LED Indicators: 1 - Speed (10 or 100 Mbps)
- LED Indicators: 1 - Power
- LED Indicators: 1 - Full ( Full duplex / Half duplex)
- LED Indicators: 1 - FEF [Far End Fault](On - Fault Detected, Off - No Fault)
- LED Indicators: 1 - Fiber Link & Activity (On - Fiber Link ok, Blinking - Activity on Fiber Link)
- LED Indicators: 1 - Ethernet Link & Activity (ON - Fiber Link ok, Blinking - Activity on Fiber Link)
- Product Length: 3.8 in [96.49 mm]
- Data Throughput: 10/100 Mbps
- Max Transfer Distance : 2 km
- Operating Temperature: 0&deg;C to 50&deg;C (32&deg;F to 122&deg;F)
- Output Current: 200mA
- Output Voltage: 12 DC
- Plug Type: M
- Center Tip Polarity: Positive
- Carton Quantity: 25
- Storage Temperature: 0&deg;C to 70&deg;C (32&deg;F to 158&deg;F)
- Wave Length: 1310nm
- Shipping (Package) Weight: 0.62 lb [0.28 kg]
- Product Weight: 3.19 oz [90.5 g]
- Product Width: 2.88 in [73.11 mm]