

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

StarTech ID: MCM110ST2



This MM Fiber to Ethernet 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

- Warranty: 1 Year warranty
- Color: Black
- 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)
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- Interface A: 1 - Fiber Optic ST Female
- Interface B: 1 - RJ45 Female
- Maximum Data Transfer Rate: 10/100Mbps
- Fiber Operating Mode : Half/Full-Duplex
- Max Transfer Distance : 2 km
- Wave Length: 1310nm
- Optical Power: -14 ~ -20 dBm
- Sensitivity: -31 dBm
- Power Budget: 11 dB
- Industry Standards: IEEE 802.3 10Base-T
- Industry Standards: IEEE 802.3u 100Base-TX
- Industry Standards: IEEE 802.3u 100Base-FX
- Power Adapter Included: Yes
- Input Voltage: 115 AC
- Output Voltage: 12 DC
- Output Current: 200mA
- Center Tip Polarity: Positive
- Plug Type: M
- Product Height: 0.79 in [20 mm]
- Product Length: 3.74 in [95 mm]
- Product Width: 2.95 in [75 mm]
- Product Weight: 3.19 oz [90.5 g]
- Humidity: 10~90% RH
- Operating Temperature: 0°C to 50°C (32°F to 122°F)
- Storage Temperature: -10°C to 70°C (14°F to 158°F)

- Shipping (Package) Weight: 14.47 oz [410 g]
- Carton Quantity: 25

