

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

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

Features

- 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.
- 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.
- Supports a maximum multi mode fiber optic cable distance of 2 km
- Supports IEEE 802.3 10Base-T, 802.3u 100Base-TX and 100Base-FX industry standards
- Supports a maximum packet size of 1600 bytes.
- Supports Q in Q double tagged frame transparent
- Supports IEEE 802.1q Tag VLAN pass thru
- Support flow control (Pause)
- Supports Link Fault Pass through (LFP)
- Forward 9K jumbo packets in converter mode
- Compatible with 3COM™, Cisco™, Lucent™ and Nortel™ networks
- 1310nm wavelength

Technical Specifications

Warranty	2 Years
PoE	No
WDM	No
Industry Standards	IEEE 802.3 10BASE-T
Industry Standards	IEEE 802.3u 100BASE-FX
Industry Standards	IEEE 802.3u 100BASE-TX
Local Unit Connectors	1 - RJ-45 Female
Remote Unit Connectors	1 - Fiber Optic ST Female
Maximum Data Transfer Rate	10/100Mbps
Max Transfer Distance	2 km (1.2 mi)
Fiber Type	Multi Mode
Wavelength	1310nm
Fiber Operating Mode	Half/Full-Duplex
Optical Power	-14 ~ -20 dBm
Sensitivity	-31 dBm
Power Budget	11 dB
Color	Black
Enclosure Type	Plastic
Product Length	3.7 in [95 mm]
Product Width	3 in [75 mm]
Product Height	0.8 in [20 mm]
Product Weight	3.2 oz [90.5 g]
LED Indicators	1 - Ethernet Link & Activity (ON - Fiber Link ok, Blinking - Activity on Fiber Link)
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 - Full (Full duplex / Half duplex)
LED Indicators	1 - Power
LED Indicators	1 - Speed (10 or 100 Mbps)
Power Adapter Included	Yes
Input Voltage	115 AC
Output Voltage	12 DC
Output Current	0.2A
Center Tip Polarity	Positive
Plug Type	M

Operating Temperature	05/9/2012eg;C to 505/9/2012eg;C (325/9/2012egF to 1225/9/2012eg;F)
Storage Temperature	-105/9/2012eg;C to 705/9/2012eg;C (145/9/2012egF to 1585/9/2012eg;F)
Humidity	10~90% RH
Shipping (Package) Weight	14.5 oz [410 g]
Included in Package	1 - Media Converter
Included in Package	1 - Power Adapter
Included in Package	1 - User's Manual

Certifications, Reports and Compatibility

