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

StarTech ID: MCM110SC2

The MCM110SC2 10/100 Multi Mode Fiber Ethernet Media Converter SC 2 km creates an economical, cost-effective Ethernet-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 an SC terminated multimode fiber backbone.

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

This versatile GbE Ethernet to Fiber converter is compatible with most 3COM™, Cisco™, Lucent™ and Nortel™ networks and fully complies with applicable IEEE 802.3 standards.

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

Applications

- Extend your Ethernet connection up to 2km away using fiber optics
- Designed for large, high speed work groups that require expansion of fast Ethernet Networks
- Connect via fiber optics two or more buildings on the same campus
- Connect remote sub-networks to larger fiber optic networks/backbones

Features

- Supports a maximum multi mode fiber optic cable distance of 2 km
- Compatible with most 3COM™, Cisco™, Lucent™ and Nortel™ networks
- Compact design
- Supports transparent Q-in-Q double tagged frames
- Supports Link Fault Pass through (LFP)
- Supports IEEE 802.1q Tag VLAN pass thru
- Supports flow control (Pause)
- Provides switch configuration of half/full duplex transfer mode for FX port
- LED Indicators for simple Ethernet/Fiber network link monitoring
- Forward 9K jumbo packets in converter mode
- 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
- Manual controls for UTP mode, speed, Full and Half Duplex, and LFP (Link Fault pass-through) on/off
- Simple installation

Technical Specifications

Warranty	2 Years
Industry Standards	IEEE 802.3 10BASE-T
Industry Standards	IEEE 802.3u 100BASE-FX
Industry Standards	IEEE 802.3u 100BASE-TX
PoE	No
WDM	No
Fiber Operating Mode	Half/Full-Duplex
Fiber Type	Multi Mode
Max Transfer Distance	2 km (1.2 mi)
Maximum Data Transfer Rate	10/100Mbps
MTBF	65,000 Hours
Wavelength	1310nm
Local Unit Connectors	1 - RJ-45 Female
Remote Unit Connectors	1 - Fiber Optic SC Duplex Female
LED Indicators	1 - Ethernet Link & Activity (ON - Ethernet Link OK, Blinking - Activity on Ethernet 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 (Off - 10Mbps, On - 100 Mbps)
Center Tip Polarity	Positive
Input Voltage	115 AC
Output Current	0.2A
Output Voltage	12 DC
Plug Type	M
Power Source	AC Adapter Included
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)
Color	Black
Enclosure Type	Plastic
Product Height	0.8 in [20 mm]

Product Length	3.7 in [95 mm]
Product Weight	3.2 oz [90.5 g]
Product Width	3 in [75 mm]
Shipping (Package) Weight	0.9 lb [0.4 kg]
Included in Package	1 - Media Converter
Included in Package	1 - Power Adapter
Included in Package	1 - User's Manual

Certifications, Reports and Compatibility