

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

StarTech ID: MCM110SC2EU



The MCM110SC2EU 10/100 Multi Mode Fiber Ethernet Media Converter (SC, 2 km) creates a 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 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 by up to 2km over a fiber optic connection
- Designed for large, high speed work groups that require expansion of fast Ethernet networks
- Connect two or more buildings on the same campus, using fiber optic cable
- Connect remote sub-networks to larger fiber optic networks/backbones

Features

- Supports a maximum multimode fiber optic cable distance of 2 km
- Compatible with most 3COM™, Cisco™, Lucent™ and Nortel™ networks
- Supports transparent Q-in-Q double tagged frames
- Supports Link Fault Pass-through (LFP)
- Supports IEEE 802.1q Tag VLAN pass-through
- Supports flow control (Pause)
- Provides switch configuration of half/full duplex transfer modes 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
- Compact design
- Simple installation

Technical Specifications

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|----------------------------|--|
| 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 - 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) |
| Center Tip Polarity | Positive |
| Input Voltage | 230 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 |
| Product Height | 20 mm [0.8 in] |
| Product Length | 95 mm [3.7 in] |
| Product Weight | 90.5 g [3.2 oz] |

| | |
|---------------------------|---------------------|
| Product Width | 75 mm [3 in] |
| Shipping (Package) Weight | 0.3 kg [0.6 lb] |
| Included in Package | 1 - Media Converter |
| Included in Package | 1 - Power Adapter |
| Included in Package | 1 - User's Manual |

Certifications, Reports and Compatibility

