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

**Product 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.

## Certifications, Reports and Compatibility

## 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

**Hardware**

| | | |
|---|---|---|
| | Warranty | 2 Years |
| | PoE | No |
| | WDM | No |
| | Industry Standards | IEEE 802.3 10BASE-T |
| | | IEEE 802.3u 100BASE-FX |
| | | IEEE 802.3u 100BASE-TX |

**Performance**

| | | |
|---|---|---|
| | Maximum Data Transfer Rate | 10/100Mbps |
| | Max Transfer Distance | 2 km (1.2 mi) |
| | Type | Multi Mode |
| | Wavelength | 1310nm |
| | Fiber Operating Mode | Half/Full-Duplex |

| | MTBF | 65,000 Hours |
|---|---|---|

## Connector(s)

| | Local Unit Connectors | RJ-45 |
|---|---|---|
| | Remote Unit Connectors | Fiber Optic SC Duplex |

## Indicators

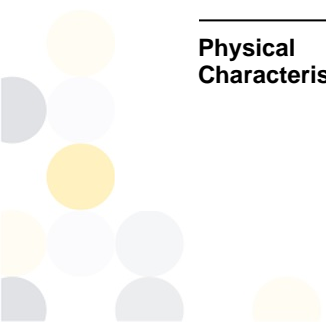| | LED Indicators | Power |
|---|---|---|
| | | Ethernet Link & Activity (ON - Fiber Link ok, Blinking - Activity on Fiber Link) |
| | | FEF [Far End Fault](On - Fault Detected, Off - No Fault) |
| | | Fiber Link & Activity (On - Fiber Link ok, Blinking - Activity on Fiber Link) |
| | | Full ( Full duplex / Half duplex) |
| | | Speed (10 or 100 Mbps) |

## Power

| | Power Source | AC Adapter Included |
|---|---|---|
| | Input Voltage | 100 - 240 AC |
| | Output Voltage | 12V DC |
| | Output Current | 0.2A |
| | Center Tip Polarity | Positive |
| | Plug Type | M |
| | Power Consumption  (In Watts) | 2.4 |

## Environmental

| | Operating Temperature | 0C to 50C (32F to 122F) |
|---|---|---|
| | Storage Temperature | -10C to 70C (14F to 158F) |
| | Humidity | 10~90% RH |

## Physical Characteristics

| | | |
|---|---|---|
| Color | Black | |
| Material | Steel | |
| Product Length | 3.7 in [95 mm] | |
| Product Width | 3.0 in [75 mm] | |
| Product Height | 0.8 in [20 mm] | |
| Weight of Product | 3.2 oz [90.5 g] | |

**Packaging Information**

| | | |
|---|---|---|
| Package Length | 6.9 in [17.5 cm] | |
| Package Width | 5.7 in [14.5 cm] | |
| Package Height | 2.6 in [65 mm] | |
| Shipping (Package) Weight | 9.9 oz [280 g] | |

**What's in the Box**

| | | |
|---|---|---|
| Included in Package | Media Converter | |
| | Power Adapter | |
| | User's Manual | |

*\*Product appearance and specifications are subject to change without notice.*