

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

Product ID: MCM110SC2P



The MCM110SC2P 10/100 Multi Mode Fiber to Ethernet Media Converter supports a maximum fiber cable distance of 2km, ensuring a highly reliable signal for ideal network connectivity and performance.

Featuring Power over Ethernet support, the converter draws power from a PoE network, delivering the freedom to use the converter in environments and scenarios where additional standard power options are unavailable.

Rather than paying for expensive installations of power wire (at drop points that may have them), running PoE requires only standard network cable (e.g. [Cat5e cable](#)), eliminating added cost and hassle.

Backed by a StarTech.com 2-year warranty and free lifetime technical support, the 10/100Base to 100Base-FX Multimode Fiber Ethernet Media converter features a durable design to help ensure reliability and long-lasting performance.

### Certifications, Reports and Compatibility



### Applications

- Designed for large, high speed bandwidth requirements of demanding workgroups needing expansion of their fast Ethernet Network
- Works well in industrial applications where standard power outlets are not available, or are too costly to install

### Features

- Supports IEEE 802.3 10Base-T, 802.3u 100Base-TX and 100Base-FX industry standards
- Auto detects half/full duplex transfer mode on RJ45 port
- Compact and lightweight design for portability
- Supports a maximum multimode fiber optic cable distance of 2km
- 10/100 Mbps auto-negotiation and auto-crossover on RJ45 port
- Supports Q in Q double tagged frame transparent
- Forward 1600 bytes (Max.) packets
- Supports IEEE 802.1q VLAN tagging pass-through
- Supports Flow Control (Pause) and Link Fault Pass-Through (LFP)
- Fiber Support Cable Type - 62.2/125µm & 50/125µm
- Powered via 802.3af Power over Ethernet (PoE PD) or by the included power adapter

|                                     |                            |   |
|-------------------------------------|----------------------------|---|
| <b>Hardware</b>                     | Warranty                   | 2 Years   |
|                                     | Industry Standards         | IEEE 802.3u 100BASE-FX<br>IEEE 802.3u 100BASE-TX  |
|                                     | PoE                        | Yes   |
|                                     | WDM                        | No  |
| <b>Performance</b>                  | Fiber Operating Mode       | Half/Full-Duplex  |
|                                     | Fiber Type                 | Multi Mode  |
|                                     | Max Transfer Distance      | 2 km (1.2 mi)   |
|                                     | Maximum Data Transfer Rate | 10/100 Mbps   |
|                                     | MTBF                       | 65,000 Hours  |
|                                     | Wavelength                 | 1310nm  |
| <b>Connector(s)</b>                 | Local Unit Connectors      | 1 - RJ-45 Female  |
|                                     | Remote Unit Connectors     | 1 - Fiber Optic SC Duplex Female  |
| <b>Special Notes / Requirements</b> | Patents and Licenses       | The following patents are licensed for this product. This list might not be all inclusive. <ul style="list-style-type: none"> <li>• United States Patent No. 5,406,260 (expired)</li> <li>• United States Patent No. 6,650,622</li> <li>• United States Patent No. 7,457,250</li> <li>• United States Patent No. 8,155,012</li> <li>• United States Patent No. 8,902,760</li> <li>• United States Patent No. 8,942,107</li> <li>• United States Patent No. 9,019,838</li> <li>• United States Patent No. 9,049,019</li> <li>• United States Patent Application No. 14/695,456</li> <li>• United States Patent Application No. 14/726,940</li> </ul> |
| <b>Indicators</b>                   | LED Indicators             | 1 - 10/100 Operating Mode<br>1 - Ethernet Activity/Link<br>1 - Fiber Activity/Link<br>1 - Full/Half Duplex Mode<br>1 - POE Enabled<br>1 - Power   |
|                                     | Center Tip Polarity        | Positive  |
|                                     | Input Voltage              | 115V AC   |
|                                     | Output Current             | 0.4A  |
|                                     | Output Voltage             | 12 DC   |
|                                     | Plug Type                  | M   |
| <b>Power</b>                        | Center Tip Polarity        | Positive  |
|                                     | Input Voltage              | 115V AC   |
|                                     | Output Current             | 0.4A  |
|                                     | Output Voltage             | 12 DC   |
|                                     | Plug Type                  | M   |

|                                 |                           |                               |
|---------------------------------|---------------------------|-------------------------------|
|                                 | Power Source              | AC Adapter Included           |
| <b>Environmental</b>            | 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) |
| <b>Physical Characteristics</b> | 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 g]                 |
|                                 | Product Width             | 3 in [75 mm]                  |
| <b>Packaging Information</b>    | Shipping (Package) Weight | 0.6 lb [0.3 kg]               |
| <b>What's in the Box</b>        | Included in Package       | 1 - Media Converter           |
|                                 |                           | 1 - Power Adapter             |
|                                 |                           | 1 - Instruction Sheet         |

Product appearance and specifications are subject to change without notice.