# 10/100 Mbps Single Mode Fiber Media Converter SC 30 km

*StarTech ID: ET90110SM302*

The ET90110SM302 10/100 Mbps Single Mode Fiber Media Converter SC (30 km) lets you extend a Fast Ethernet network (10/100) over single mode fiber, at distances up to 30 km (18.6 miles).

A cost-effective solution for connecting a 10/100 Mbps Ethernet (10/100Base-T) network to remote network segments over a 100Base-FX fiber backbone, the media converter is designed to offer a durable and convenient Ethernet to fiber solution, with an all-steel chassis, and simple plug-and-play installation with minimal configuration required.

For added versatility, this fiber media converter supports standalone operation, or installation into the 20 Slot, 2U Rackmount Chassis (ETCHS2U).

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

### Applications

- Provides connectivity to a user or network segment that is in an isolated area of a large complex or in another building altogether
- Perfect for secured environments required by government agencies, where EMI is not acceptable
- Connect traffic control/monitoring systems at extreme distances to the main office
- Extend network connectivity to remote areas of stadiums, auditoriums or other venues
- Converts 100Base-FX fiber optic signals to 10/100Base-T Ethernet over single mode fiber cable

**Features**

- Supports standalone operation, or installation into the ETCHS2U Rackmount Chassis
- Cost-effective way to extend/bridge networks using fiber cabling
- Advanced features include Link-loss forwarding, remote status monitoring, two frame lengths
- Maximum Fiber Cable length of 30 km
- Supports full or half-duplex operation
- Easy to use and install

**Technical Specifications**

| | |
|---|---|
| Warranty | 2 Years |
| PoE | No |
| WDM | No |
| Local Unit Connectors | 1 - Fiber Optic SC Duplex Female |
| Local Unit Connectors | 1 - RJ-45 Female |
| Maximum Data Transfer Rate | 200 Mbps (Full Duplex Mode) |
| Max Transfer Distance | 30 km (18.6 mi) |
| Fiber Type | Single Mode |
| Wavelength | 1310nm |
| Fiber Operating Mode | Half/Full-Duplex |
| Auto MDIX | Yes |
| Color | Black |
| Enclosure Type | Steel |
| Product Length | 6.1 in [155 mm] |
| Product Width | 3.4 in [87 mm] |
| Product Height | 0.9 in [24 mm] |
| Product Weight | 14 oz [398 g] |
| Power Source | AC Adapter Included |
| Input Voltage | 115 ~ 230 AC |
| Output Voltage | 12 DC |
| Output Current | 1A |
| Center Tip Polarity | Positive |
| Plug Type | M |
| Operating Temperature | 0°C to 60°C (32°F to 140°F) |
| Storage Temperature | -10°C to 70°C (14°F to 158°F) |
| Humidity | 10~90% RH |
| Shipping (Package) Weight | 1.7 lb [0.8 kg] |
| Included in Package | 1 - Fiber Media Converter |
| Included in Package | 1 - Universal Power Adapter (NA/UK/EU) |
| Included in Package | 1 - Instruction Manual |

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