

## Gigabit Ethernet Single Mode Fiber Media Converter SC 40 km - 1000 Mbps

StarTech ID: ET91000SM402



The ET91000SM402 1000 Mbps Gigabit Single Mode Fiber Media Converter SC (40 km) lets you extend a Gigabit Ethernet network over single mode fiber by up to 40km (25 miles).

A cost-effective solution for connecting a Gigabit Ethernet (1000Base-T) network to remote network segments over a (1000Base-LX/SX) fiber backbone, the GbE to SM fiber converter supports full Gigabit speeds for ideal network performance and scalability. Designed to offer a durable and convenient Ethernet to fiber solution, the Ethernet to SC Fiber converter features an all-steel chassis, and a 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 network connectivity to users or network segments located in isolated areas of a large complex or separate building
- Suitable for environments such as government agencies, where security threats (network tapping, etc.) need to be prevented
- 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 1000Base-LX fiber optic signals to 1000Base-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 monitor status, two frame lengths
- Maximum Fiber Cable length of 40 km
- Supports full or half-duplex operation
- Quick and simple installation, easy to use

## Technical Specifications

|                            |   |
|----------------------------|---|
| Warranty                   | 2 Years   |
| PoE                        | No  |
| WDM                        | No  |
| Local Unit Connectors      | 1 - Fiber Optic SC Female   |
| Local Unit Connectors      | 1 - RJ-45 Female  |
| Maximum Data Transfer Rate | 2000 Mbps (full duplex mode)  |
| Max Transfer Distance      | 40 km (24.8 mi)   |
| Fiber Type                 | Single Mode   |
| Wavelength                 | 1310nm  |
| Fiber Operating Mode       | Half/Full-Duplex  |
| Auto MDIX                  | Yes   |
| MTBF                       | 65,000 Hours  |
| Color                      | Black   |
| Enclosure Type             | Steel   |
| Product Length             | 160 mm [6.3 in]   |
| Product Width              | 95 mm [3.7 in]  |
| Product Height             | 20 mm [0.8 in]  |
| Product Weight             | 600 g [21.2 oz]   |
| Power Adapter Included     | Yes   |
| Input Voltage              | 115 ~ 230 AC  |
| Output Voltage             | 12 DC   |
| Output Current             | 1A  |
| Center Tip Polarity        | Positive  |
| Plug Type                  | M   |
| Power Consumption          | < 4W  |
| Operating Temperature      | 0°C to 60°C (32°F to 140°F)   |
| Storage Temperature        | -105/8/2012eg;C to 705/8/2012eg;C (145/8/2012eg;F to 1585/8/2012eg;F) |
| Humidity                   | 10~90% RH   |
| Shipping (Package) Weight  | 0.7 kg [1.5 lb]   |
| Included in Package        | 1 - Fiber Media Converter   |
| Included in Package        | 1 - Universal Power Adapter (NA/UK/EU)                                |
| Included in Package        | 1 - Instruction Manual  |

Certifications, Reports and Compatibility

