

## 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 Duplex 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	6.3 in [160 mm]
Product Width	3.7 in [95 mm]
Product Height	0.8 in [20 mm]
Product Weight	21.2 oz [600 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
Power Consumption	< 4W
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	1.5 lb [0.7 kg]
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

