

1000 Mbps Gigabit Single Mode Fiber Media Converter LC 40 km

StarTech ID: ET1000SM40LC



This Gigabit Ethernet to SM Fiber converter lets you extend a Gigabit Ethernet network over single mode fiber, at distances up to 40km (25 miles).

Providing a cost-effective solution for connecting a Gigabit Ethernet network to remote network segments over a fiber backbone, the GbE to SM fiber converter supports full Gigabit speeds end-to-end and delivers ideal network performance and scalability.

The Gigabit Ethernet/Fiber converter transparently converts 1000Base-T Ethernet into 1000Base-LX/SX optical for long distance single mode fiber connection to a second Gigabit Ethernet/SM Fiber converter, which performs the reverse operation (converting the 1000Base-SX/LX signal back into 1000Base-T) for connection to the remote Gigabit node/segment.

Designed to offer a durable and convenient Ethernet to fiber solution, the Gigabit Ethernet to SM Fiber converter features an all-steel chassis, and can be wall-mounted for out-of-the-way installations.

Applications

- Converts 1000Base-LX fiber optic signals to 1000Base-T Ethernet over single mode cable

Features

- Advanced features include Link-loss forwarding, loop-back test, remote monitor status, two frame lengths
- Cost-effective way to extend/bridge networks using fiber cabling
- Easy to use and install
- Maximum Fiber Cable length of 40 Km
- Supports full or half-duplex operation

Technical Specifications

Warranty	2 Years
PoE	No
WDM	No
Local Unit Connectors	1 - RJ-45 Female
Remote Unit Connectors	1 - Fiber Optic LC 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
Color	Beige
Product Length	4.8 in [123 mm]
Product Width	3.4 in [86 mm]
Product Height	0.8 in [20 mm]
Product Weight	14.1 oz [400 g]
Power Adapter Included	Yes
Input Voltage	115 ~ 230 AC
Output Voltage	12 DC
Output Current	1A
Center Tip Polarity	Positive
Plug Type	M
Operating Temperature	05/8/2012eg;C to 505/8/2012eg;C (325/8/2012eg;F to 1225/8/2012eg;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	1.5 lb [0.7 kg]
Included in Package	1 - Fiber Media Converter
Included in Package	2 - Mounting Brackets (w/ Screws)
Included in Package	1 - Power Adapter
Included in Package	1 - Instruction Manual

Certifications, Reports and Compatibility

