

## 1000 Mbps Gigabit Single-Mode Fiber Ethernet Media Converter SC 15km

StarTech ID: MCMGBSC15



The MCMGBSC15EU Ethernet Media Converter converts transparently to/from 1000Base-T Ethernet signals and 1000Base-LH optical signals, providing a cost-effective Ethernet-fiber/copper-fiber link. - Perfect for extending an Ethernet network connection over a Single Mode fiber backbone.

Supporting a Single Mode fiber optic cable distance of up to 15-kilometers (9.32-miles), this Fiber Media Converter delivers a simple solution for connecting Gigabit Ethernet networks to remote locations using SC-terminated SM fiber, while ensuring solid network performance and scalability.

### Applications

- Extending an Ethernet connection by up to 15km (9.32 miles) using a fiber backbone
- Creates an economical Ethernet-fiber/copper-fiber link for connecting remote sub-networks to larger fiber optic networks/backbones
- Converts Ethernet to fiber, fiber to copper/Ethernet, ensuring optimum network scalability for connecting two or more Ethernet network nodes (e.g. connecting two buildings on the same campus)

### Features

- Auto detects half/full duplex transfer mode from the TX port
- Auto negotiation MDI/MDI-X (Crossover for TX port)
- Compact design
- LED Indicators for simple Ethernet/Fiber network link monitoring
- Simple installation
- Supports forced full duplex or auto-negotiation modes on the fiber link
- Supports 802.3ab 1000Base-TX, and 1000Base-LX/LH industry standards
- Supports a maximum Single-mode fiber optic cable distance of 15km
- Supports IEEE 802.1q Tag VLAN pass through
- Supports transparent Q-in-Q double tagged frames
- 1310nm Wavelength

**Technical Specifications**

Warranty	2 Years
PoE	No
WDM	No
Industry Standards	IEEE 802.3z 1000BASE-LX/LH
Local Unit Connectors	1 - RJ-45 Female
Remote Unit Connectors	1 - Fiber Optic SC Female
Maximum Data Transfer Rate	1000 Mbps (1 Gbps)
Max Transfer Distance	15 km (9.3 mi)
Fiber Type	Single Mode
Wavelength	1310nm
Fiber Operating Mode	Half/Full-Duplex
Color	Black
Product Length	3.9 in [99 mm]
Product Width	2.9 in [73 mm]
Product Height	1.1 in [27 mm]
Product Weight	15.9 oz [450 g]
LED Indicators	1 - FX Link: On - Valid Fiber Link
LED Indicators	1 - Power Indicator
LED Indicators	1 - TP Link: On - Valid Ethernet Link
LED Indicators	1 - TP RX: On - Receiving Data on the Ethernet Link
Power Adapter Included	Yes
Input Voltage	110 ~ 240 AC
Input Current	0.3 A
Output Voltage	9 DC
Output Current	0.6A
Center Tip Polarity	Positive
Plug Type	M
Operating Temperature	0°C to 40°C (32&degF to 104°F)
Storage Temperature	-10°C to 70°C (14&degF to 158°F)
Humidity	90% RH
Shipping (Package) Weight	1 lb [0.5 kg]
Included in Package	1 - Media Converter
Included in Package	1 - Power Adapter
Included in Package	1 - Instruction Manual

Certifications, Reports and Compatibility

