

## 1000 Mbps Gigabit Multi Mode Fiber Ethernet Media Converter SC 550m

StarTech ID: MCMGBSC055



The MCMGBSC055 1000 Mbps Gigabit Multi Mode Fiber Ethernet Media Converter SC - 550m converts transparently to/from 1000Base-T Ethernet signals and 1000Base-SX optical signals, providing a cost-effective Ethernet-fiber/copper-fiber link, in order to extend an Ethernet network connection over a Multimode fiber backbone.

Supporting a maximum Multimode fiber optic cable distance of 550 meters (0.34 miles), this Fiber Media Converter delivers a simple solution for connecting Gigabit Ethernet networks to remote locations using SC-terminated MM fiber, while ensuring solid network performance and scalability.

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

### Applications

- 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)
- Designed to provide high-speed bandwidth for demanding large scale work groups that require expansion of Gigabit Ethernet Network
- Extending an Ethernet connection by up to 550m (0.34 miles) using a fiber backbone

## Features

- 850nm Wavelength
- LED Indicators for simple Ethernet/Fiber network link monitoring
- Compact design
- Supports forced full duplex or auto-negotiation modes on the fiber link
- Simple installation
- Supports a maximum multimode fiber optic cable distance of 550m
- Supports 802.3ab 1000Base-TX, and 1000Base-FX industry standards
- Supports IEEE 802.1q Tag VLAN pass through
- Supports transparent Q-in-Q double tagged frames
- Auto detects half/full duplex transfer mode from the TX port
- Auto negotiation MDI/MDI-X (Crossover for TX port)

**Technical Specifications**

Warranty	2 Years
PoE	No
WDM	No
Industry Standards	IEEE 802.3z 1000BASE-SX
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	550 m (1804 ft)
Fiber Type	Multi Mode
Wavelength	850nm
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
Input Voltage	115 AC
Output Voltage	9 DC
Output Current	0.8A
Center Tip Polarity	Positive
Plug Type	M
Operating Temperature	05/9/2012eg;C to 405/9/2012eg;C (325/9/2012egF to 1045/9/2012eg;F)
Storage Temperature	-105/9/2012eg;C to 705/9/2012eg;C (145/9/2012egF to 1585/9/2012eg;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 - User's Manual

Certifications, Reports and Compatibility

