

Multimode (MM) SC Fiber Media Converter for 10/100/1000 Network - 550m Range - Gigabit Ethernet - 850nm - Full Duplex - TAA

Product ID: MCMGBSCMM055



This fiber media converter extends a Gigabit Ethernet (1000Mbps) network up to 550 m over multimode fiber, on 1000BASE-SX networks.

The fiber media converter offers a cost-effective way to transparently convert copper to fiber, or fiber to copper, for connecting remote sub-networks to larger fiber-optic networks. Providing both SC fiber and RJ45 Ethernet ports, it integrates easily into a wide range of Gigabit Ethernet network infrastructures. The RJ45 port supports triple-speed (10/100/1000 BASE-T) auto-negotiation.

Supporting a maximum multimode fiber-optic cable distance of 550 meters (0.34 miles), the media converter delivers a simple and reliable solution for connecting Gigabit Ethernet networks to remote locations over multimode fiber, while ensuring solid network performance. It provides optimum network scalability for connecting two or more Ethernet network nodes, for instance, connecting two buildings on the same campus or facility. The media converter also offers high-speed bandwidth to meet the increasing demands of large-scale workgroups that require expansion of a Gigabit Ethernet network.

The MCMGBSCMM055 is backed by a StarTech.com 2-year warranty and free lifetime technical support.

Certifications, Reports and Compatibility



Applications

- Extend an Ethernet connection by up to 550 m (0.34 miles) over a fiber backbone

- Create an economical Ethernet-fiber/copper-fiber link for connecting remote sub-networks to larger fiber-optic networks/backbones
- Converts Ethernet to fiber, and fiber to copper to provide a cost-effective networking solution

Features

- Converts and extends a Gigabit Ethernet fiber (1000Mbps) network over multimode fiber on 1000BASE-SX networks
- Provides a cost-effective Ethernet to fiber/copper to fiber link
- Supports a maximum distance of 550 m over multimode fiber-optic cable (SC connection)
- Compact design and wall mountable
- Non-blocking full wire-speed forwarding rate
- Provides DIP switch supporting Link Fault Pass-through function
- LED Indicators for simple Ethernet/fiber network link monitoring
- 850 nm wavelength
- Supports IEEE 802.1q Tag VLAN pass-through

Hardware

Warranty	2 Years
PoE	No
WDM	No
Industry Standards	IEEE 802.3z 1000BASE-SX
	IEEE 802.3ab 1000BASE-T
	IEEE 802.3u 100BASE-TX
	IEEE 802.3 10BASE-T
	IEEE 802.3x full-duplex flow control
	IEEE 802.1q VLAN pass through

Performance

Maximum Data Transfer Rate	1000 Mbps (1 Gbps)
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Max Transfer Distance	550 m (1804 ft)
Type	Multi Mode
Wavelength	850nm
Fiber Operating Mode	Full-Duplex
Auto MDIX	Yes
Jumbo Frame Support	9K max.
Switching Architecture	Store-and-Forward
General Specifications	<p>Supports a maximum distance of 550 m over MM fiber-optic cable (SC connection), and 100m over copper (RJ45 connection)</p> <p>Data Transfer Rate Copper: 10/100/1000 Mbps</p> <p>Data Transfer Rate Fiber: 1000 Mbps</p> <p>ESD Surge Protection: 1KV. Contact discharge - 4KV. Air discharge - 8KV</p>
MTBF	> 50,000 hours at 25C

Connector(s)

Local Unit Connectors	1 - RJ-45
Remote Unit Connectors	1 - Fiber Optic SC Duplex

Indicators

LED Indicators	<p>1 - Power</p> <p>1 - FX Link/Activity</p> <p>1 - TP Link/Activity</p> <p>1 - 1000 Link: ON - Valid Gigabit Link</p>
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Power

Power Source	AC Adapter Included
Input Voltage	100 - 240 AC
Input Current	0.4 A
Output Voltage	5 DC
Output Current	2 A

Center Tip Polarity	Positive
Plug Type	N
Power Consumption (In Watts)	10

Environmental

Operating Temperature	0C to 50C (32°F to 122F)
Storage Temperature	-10C to 70C (14°F to 158F)
Humidity	5 ~ 90% RH

Physical Characteristics

Color	Brown
Material	Steel
Product Length	2.8 in [70 mm]
Product Width	3.8 in [9.7 cm]
Product Height	1.0 in [2.6 cm]
Weight of Product	7.1 oz [200 g]

Packaging Information

Package Quantity	1
Package Length	11.2 in [28.4 cm]
Package Width	5.4 in [13.8 cm]
Package Height	2.6 in [66 mm]
Shipping (Package) Weight	1.2 lb [0.6 kg]

What's in the Box

Included in Package	1 - media converter
	1 - universal power adapter (NA/JP, UK, EU, ANZ)
	1 - quick-start guide

**Product appearance and specifications are subject to change without notice.*