

Multi-Mode (MM) SC Fiber Media Converter for 10/100/1000 Networks, Standalone Gigabit Ethernet to SC Fiber Converter, 850nm, 550m - 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.

## 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

- **Extend Ethernet Over Distances**: Convert and extend a 10/100/1000 Mbps Ethernet signal to Gigabit multi-mode SC fiber, up to 550m (1800ft); For specialized edge, industrial / remote deployments requiring long-range, secure wired connectivity
- **Compact and Durable**: Media converter installs almost anywhere with little to no configuration; Also mounts in the MCM7-MEDIA-CHASSIS or MCM15-MEDIA-CHASSIS for clean, professional integration into structured data centers, or server rooms; TAA compliant
- **Reliable Performance Across Mixed Speeds**: Supports IEEE 802.3 standards, Jumbo Frames (up to 9K), full-duplex flow control, auto-negotiation, and auto MDI/MDI-X; Delivers plug-and-play setup and reduced packet loss across legacy and high-speed links
- **Deploy Efficiently in Compact, Power-Sensitive Spaces**: Consumes only 3.75W (typical) via 5V DC input from included power adapter or chassis power supply and rated for 0C to 50C operating environments; Does not support PoE
- **The IT Pro's Choice**: Designed for reliability in edge and on-prem deployments, our media converters are lab-tested and field-proven for seamless integration and maximum uptime; Backed by free lifetime 24/5 multi-lingual technical assistance
- 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

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### Hardware

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

IEEE 802.3 10BASE-T

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**Performance**

Maximum Data Transfer Rate	1000 Mbps (1 Gbps)
Max Transfer Distance	550m [1804ft]
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	Supports a maximum distance of 550 m over MM fiber-optic cable (SC connection), and 100m over copper (RJ45 connection)  Data Transfer Rate Copper: 10/100/1000 Mbps  Data Transfer Rate Fiber: 1000 Mbps  ESD Surge Protection: 1KV. Contact discharge - 4KV. Air discharge - 8KV
MTBF	> 50,000 hours at 25C

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**Connector(s)**

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

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**Indicators**

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

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#### Environmental

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

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#### Physical Characteristics

Color	Brown
Material	Steel
Product Length	39.4 in [1000 mm]
Product Width	2.8 in [7 cm]
Product Height	1.0 in [2.6 cm]
Weight of Product	7.1 oz [200 g]

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#### 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]

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#### What's in the Box

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

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**Warranty  
Information**

Warranty	2 Years
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***\*Product appearance and specifications are subject to change without notice.***