

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

Product ID: MCMGBSC15GB



The MCMGBSC15GB 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, in order to extend an Ethernet network connection over a Single Mode fiber backbone.

Supporting a maximum Single Mode fiber optic cable distance of 15km (9.32 miles), the 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.

### Certifications, Reports and Compatibility



### 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

- 1310nm Wavelength
- 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
- Supports forced full duplex or auto-negotiation modes on the fiber link
- Simple installation
- Supports 802.3ab 1000Base-TX, and 1000Base-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

<b>Hardware</b>	Warranty	2 Years
	Industry Standards	IEEE 802.3z 1000BASE-LH
	PoE	No
	WDM	No
<b>Performance</b>	Fiber Operating Mode	Half/Full-Duplex
	Fiber Type	Single Mode
	Max Transfer Distance	15 km (9.3 mi)
	Maximum Data Transfer Rate	1000 Mbps (1 Gbps)
	Wavelength	1310nm
<b>Connector(s)</b>	Local Unit Connectors	1 - RJ-45 Female
	Remote Unit Connectors	1 - Fiber Optic SC Duplex Female
<b>Indicators</b>	LED Indicators	1 - FX Link: On - Valid Fiber Link
		1 - Power Indicator
		1 - TP Link: On - Valid Ethernet Link
		1 - TP RX: On - Receiving Data on the Ethernet Link
<b>Power</b>	Center Tip Polarity	Positive
	Input Current	0.2 A
	Input Voltage	100 ~ 240 AC
	Output Current	0.6 A
	Output Voltage	9 DC
	Plug Type	M
	Power Consumption (In Watts)	5.4
	Power Source	AC Adapter Included
<b>Environmental</b>	Humidity	90% RH
	Operating Temperature	0°C to 40°C (32°F to 104°F)
	Storage Temperature	-10°C to 70°C (14°F to 158°F)
<b>Physical Characteristics</b>	Color	Black
	Product Height	27 mm [1.1 in]
	Product Length	99 mm [3.9 in]
	Product Weight	450 g [15.9 oz]
	Product Width	73 mm [2.9 in]

<b>Packaging Information</b>	Shipping (Package) Weight	0.4 kg [0.9 lb]
<b>What's in the Box</b>	Included in Package	1 - Media Converter
		1 - Power Adapter
		1 - Instruction Manual

Product appearance and specifications are subject to change without notice.