Gigabit Ethernet to SC Fiber Media Converter - 1000Base-LX - Single-mode - 10 km - TAA

Product ID: MCMGBSCSM10



This fiber media converter converts and extends a Gigabit Ethernet (1000 Mbps) network up to 10 km over single-mode fiber on 1000BASE-LX networks.

The fiber media converter provides 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 single-mode fiber cable distance of up to 10 km (6.2 mi.), the media converter delivers a simple and reliable solution for connecting Gigabit Ethernet networks to remote locations, 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 delivers high-speed bandwidth to meet the increasing demands of large-scale workgroups that require expansion of a Gigabit Ethernet network.

The MCMGBSCSM10 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 10 km (6.2 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 (1000 Mbps) network up to 10 km over single-mode fiber on 1000BASE-LX networks

• Provides a cost-effective Ethernet to fiber/copper to fiber link

• Supports a maximum distance of 10 km over single mode duplex 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

• 1310 nm wavelength

• Supports IEEE 802.1q Tag VLAN pass through

Hardware

Warranty	2 Years
PoE	No
WDM	No
Industry Standards	IEEE 802.3u 100BASE-LX
	IEEE 802.3ab 1000BASE-T
	IEEE 802.3z 1000BASE-LX
	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)
Max Transfer Distance	10 km (6.2 mi)

	Type	Single Mode
	Wavelength	1310nm
	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 10 km over SM duplex 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
Connector(s)		
	Local Unit Connectors	1 - RJ-45
	Remote Unit Connectors	1 - Fiber Optic SC Duplex
Indicators		
	LED Indicators	1 - Power
		1 - FX Link/Activity
		1 - TP Link/Activity
		1 - 1000 Link: ON - Valid Gigabit Link
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&degF to 122F)
	Storage Temperature	-10C to 70C (14&degF to 158F)
	Humidity	5 ~ 90% RH
Physical Characteristics		
	Color	Black
	Material	Steel
	Product Length	2.8 in [70 mm]
	Product Width	4.1 in [10.5 cm]
	Product Height	1.0 in [2.6 cm]
	Weight of Product	6.9 oz [196 g]
Packaging Information		
	Package Quantity	1
	Package Length	8.9 in [22.6 cm]
	Package Width	4.7 in [12.0 cm]
	Package Height	2.8 in [7.0 cm]
	Shipping (Package) Weight	15.1 oz [428.0 g]
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.