10GbE Multi-Gigabit Open SFP+ Fiber Media Converter, 10G/5G/2.5G/1G/100M, Copper to 10GBASE-X SFP+, Single-Mode, Multi-Mode, 16K Jumbo Frames, TAA

Product ID: MCM10G6SSFP

This compact 10G media converter enables seamless copper-to-fiber conversion for network upgrades or long-distance extension. Featuring an open SFP+ slot, it converts 100M to - 10GBASE-T RJ-45 to 10G fiber and supports both multi-mode and single-mode transceivers (10GBASE-SR/LR) for flexible deployment across enterprise and telecom environments.

Ideal for structured wiring closets, server rooms, or remote network upgrades, the converter supports wall-mount, DIN rail, and chassis installations. It can operate as a standalone device or integrate into a media converter chassis system.

Built for maximum compatibility, the converter supports IEEE 802.3 standards, 16K Jumbo Frames, auto MDI/MDI-X, and full-duplex flow control. With plug-and-play setup and reliable diagnostics, it ensures consistent performance across legacy and high-speed links.

With low 3.75W (typical) power consumption via 5V DC input, this power-efficient converter operates in environments ranging from 0C to 50C. It avoids PoE-related conflicts and is ideal for compact, power-sensitive deployments.

Certifications, Reports and Compatibility

Applications

Features

• Upgrade Networks with Copper-to-Fiber Conversion: Convert 100M to 10GBASE-T copper (RJ-45) to 10G fiber using an open SFP+ slot; Supports multimode or single-mode transceivers (e.g., 10GBASE-SR/LR) for flexible deployment and extended reach

• Install Anywhere with Flexible Mounting: Use as a compact standalone unit or mount to a wall, rack, DIN rail (use ADJDINKIT) or chassis (use MCM-CHASSIS-PSU) for clean, professional integration into structured wiring closets, data centers, or server rooms

• Reliable Performance Across Mixed Speeds:: Supports IEEE 802.3 standards, Jumbo Frames (up to 16K), 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

Hardware

	Warranty	2 Years
	PoE	No
	WDM	No
	Industry Standards	IEEE 802.3u 100BASE-TX
		IEEE 802.3ab 1000BASE-T
		IEEE 802.3bz 2.5GBASE-T
		IEEE 802.3an 10GBASE-T
		IEEE 802.3ae 10Gbps Ethernet
		IEEE 802.3x

Performance

	Maximum Data Transfer Rate	10Gbps (Full-Duplex)
	Max Transfer Distance	60 km (37.3 mi)
	Type	Single Mode / Multi Mode
	Flow Control	Yes

Remote Management Ability	No
Compatible Networks	100/1000/10000 Mbps (10Gb)
Auto MDIX	Yes
Jumbo Frame Support	16K max.
Switching Architecture	None
MTBF	50,000 Hours

Indicators

LED Indicators	1 - Power
	1 - 1/10G LNK
	1 - 5G/2.5G/100M LNK

Power

Power Source	AC Adapter Included
Input Voltage	100 - 240 AC
Input Current	0.4
Output Voltage	5 DC
Output Current	2A
Center Tip Polarity	Positive
Plug Type	NA/UK/EU/AU
Power Consumption (In Watts)	3.75

Environmental

Operating Temperature	0C to 50C (32F to 122F)
Storage Temperature	-10C to 70C (14F to 158F)
Humidity	5~95% RH (non-condensing)

Physical Characteristics

Color	Black

Material	Metal	
Product Length	2.8 in [70 mm]	
Product Width	3.7 in [94 mm]	
Product Height	1.0 in [26 mm]	
Weight of Product	6.4 oz [180 g]	

Packaging Information

Package Length	3.7 in [9.4 cm]	
Package Width	2.8 in [7.0 cm]	
Package Height	1.0 in [2.6 cm]	
Shipping (Package) Weight	1.2 lb [0.5 kg]	

What's in the Box

Included in Package	1 - Media Converter	
	1 - Universal Power Supply	
	1 - Product Documentation	

Warranty Information

Warranty	2 Years	

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