

10GbE Multi-Gigabit Open SFP+ Fiber Media Converter, Standalone 10 Gigabit Ethernet RJ-45 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
- **Flexible Mounting**: Use as a compact standalone unit or mount to a wall, rack, DIN rail (ADJINKIT) or chassis (MCM7-MEDIA-CHASSIS, MCM15-MEDIA-CHASSIS) for clean, professional integration into structured wiring closets, data centers, or server rooms
- **Standardize Network Conversions**: Plug-and-play installation supports auto-negotiation of 100Mbps, 1/2.5/5/10Gbps copper speeds, 16K Jumbo Frames, and full-duplex flow control, helping IT deploy one media converter across networks with different speeds
- **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
Fiber Operating Mode	Full-Duplex

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