

10 Gigabit Ethernet Copper-to-Fiber Media Converter - Open SFP+ - Managed

StarTech ID: ET10GSFP



This 10GbE fiber media converter lets you scale your network using the 10Gb SFP+ transceiver that best suits your network type and distance requirements. It's a cost-effective way to convert copper to fiber, or fiber to copper, and it integrates easily into a range of 10Gb network infrastructures.

The 10G fiber converter delivers fast and reliable network access at longer distances than copper-based networks, making it ideal for server rooms or workstations in remote areas or in other buildings.

Expand your high-speed network over longer distances

This high-performance fiber media converter integrates nicely into a variety of 10 Gigabit networks. And, because the card supports up to 10Gbps throughput, you can quickly bridge your traditional 10Gb copper (RJ45) based network across long distances using fiber-optic cable.

Now you can transfer large files and access high-bandwidth multimedia content in less time, even in remote locations.

Use the SFP+ transceiver that's best for you

With an open SFP+ slot, the 10GbE media converter adapts to your network connection and distance requirements. Plus, because it's compatible with most [10GbE SFP+ transceivers](#), it offers more possibilities for connecting devices and users to your network. With support for a wide range of transceivers, the network converter is ideal for dynamic, high-performance data centers.

Simple network management and diagnostics

The 10 Gigabit fiber media converter offers built-in management functionality, so you can quickly, yet effectively manage and customize your network settings through the local serial console port.

Prepare your network for the future

If your existing network consists of RJ45 copper-based devices and cables, you might not be ready for future network expansion. Because the newest fiber-based network switches feature SFP+ ports more often than RJ45 ports, you might need a converter to bridge your copper and fiber networks together.

This versatile fiber media converter is the perfect way to add users and devices to your network, now or in the future, while simultaneously interfacing your copper and fiber network mediums.

The ET10GSFP is backed by a StarTech.com 2-year warranty and free lifetime technical support.

Applications

- Open SFP slot lets you customize your connection mode or distance using most MSA-compliant transceivers
- Transmit full 10 Gigabit network speeds to remote areas over longer distances than copper (RJ45) cabling
- Use fiber-optic cable to extend or bridge your network to a separate building
- Install a second converter card using a compatible StarTech.com ET91000 series media card module (for example, ET91000SFP2C - sold separately)

Features

- Achieve faster network access over longer distances, and extend your 10Gb copper (RJ45) network using fiber optic cable
- Integrate into your network using the SFP+ transceiver of your choice — the open SFP+ slot is compatible with most 10Gbps SFP+ modules
- Manage and customize the media converter to fit your needs, using the serial console management port
- Empty expansion bay lets you install an additional converter card using a compatible StarTech.com ET91000 series media converter card module
- Four link fault pass-through (LFP) modes (UTP to fiber, fiber to UTP, two-way, disabled)
- Two built-in cooling fans
- Rugged, metal housing
- Up to 9.6K Jumbo Frame support
- Supports IEEE 802.3ae (10GBase-R), and 802.3an (10GBase-T) protocols
- Supports Auto MDIX, ALS, Loopback, and DDMI

Technical Specifications

Warranty	2 Years
Industry Standards	IEEE 802.3ae 10GBASE-R (10GBASE-SR, 10GBASE-LR, 10GBASE-ER, 10GBASE-SW, 10GBASE-LW, 10GBASE-EW)
Industry Standards	IEEE 802.3u (100BASE-TX), IEEE 802.3ab (1000BASE-T), IEEE 802.3an (10GBASE-T)
PoE	No
WDM	No
Auto MDIX	Yes
Compatible Networks	10 Gbps
Fiber Operating Mode	Full-Duplex
Fiber Type	Multi Mode
Fiber Type	Single Mode
Flow Control	None
Jumbo Frame Support	9.6K max.
Maximum Data Transfer Rate	20 Gbps (Full-Duplex)
MTBF	57,000 Hours
Remote Management Ability	Yes
Switching Architecture	None
Local Unit Connectors	1 - SFP+ Slot Female
Local Unit Connectors	1 - RJ-45 Female
Local Unit Connectors	1 - DB 9-pin Serial Female
Note	Fiber protocols, data transfer speeds and distances are dependent on the SFP+ transceiver used (sold separately).
System and Cable Requirements	MSA-compliant 10 Gigabit SFP+ transceiver module (Mini-GBIC).
System and Cable Requirements	The media converter can only be used with 10 Gigabit SFP+ modules and will not support 10/100/1000Mbps modules.
LED Indicators	1 - Power
LED Indicators	1 - Fiber Link
LED Indicators	1 - Loop
LED Indicators	1 - Alarm
LED Indicators	1 - UTP (RJ45) Link
LED Indicators	1 - Link fault pass-through (LFP)

Center Tip Polarity	Positive
Input Current	0.75 A
Input Voltage	100 ~ 240 AC
Output Current	3 A
Output Voltage	12 DC
Plug Type	M
Power Consumption	36 W Max
Power Source	AC Adapter Included
Humidity	5~85% RH (Non-condensing)
Operating Temperature	0°C to 50°C (32°F to 122°F)
Storage Temperature	-10°C to 70°C (14°F to 158°F)
Color	Black
Enclosure Type	Steel
Product Height	1.8 in [45 mm]
Product Length	6 in [152 mm]
Product Weight	24 oz [680 g]
Product Width	3.8 in [97 mm]
Shipping (Package) Weight	65.3 oz [1850 g]
Included in Package	1 - 10Gb Ethernet fiber media converter
Included in Package	1 - universal power adapter
Included in Package	4 - power cords (NA/EU/UK/AU)
Included in Package	1 - quick start guide

Certifications, Reports and Compatibility

