



Gigabit Single-Mode/Multi-Mode Fiber to Fiber Media Converter

ET91000MMSM, ET1000MMSMEU, ET1000MMSMGB

Introduction

Thank you for purchasing a StarTech.com Single-Mode/Multi-Mode Fiber to Fiber Media Converter. This product converts single-mode fiber to multi-mode fiber and vice-versa, to suit the individual needs of your fiber network.

Features

- Simple installation and use
- Provides a cost effective way to utilize two different types of fiber cable
- LED indicators display single-mode, multi-mode and power status of the converter
- Small footprint, wall mountable design

Before You Begin

System Requirements

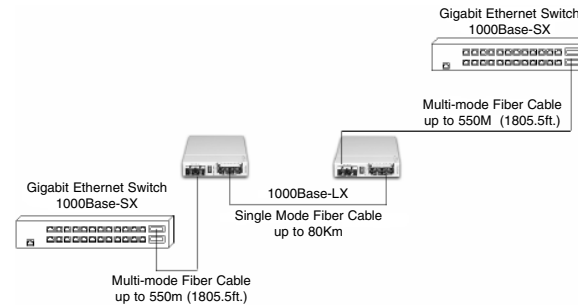
- All necessary cables (UTP and Fiber)
- Power source

Contents

- Media Converter (1)
- 12V Power Adapter (1)
- Instruction manual (1)

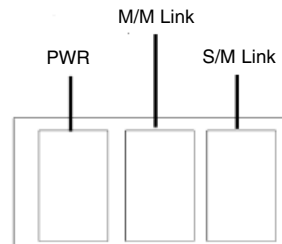
Basic Setup

1. Connect the 12V power adapter to the port labelled **DC IN** on the media converter. Connect the opposite end of the adapter to an available power outlet.
2. Connect the fiber interface cable to the media converter, as illustrated in the following example:



LED Indicators

The media converter uses 3 LED indicators that display the status of single mode and multi-mode connections, as well as the power status of the converter. The following table illustrates what each indicator means:



LED	Function	State	Status
PWR	Power Indicator	On	Converter has power
		Off	Converter has no power
M/M Link (Multimode Link)	Mode Display	On	The Multimode link is okay
		Off	No link or the link is faulty
S/M Link (Single mode Link)	Mode display	On	The Single-mode mode link is okay
		Off	No link or the link is faulty

Specifications

General Specifications

Cable Length	10 KM Maximum
Dimensions (LxWxH)	122mm x 85mm x 20mm (4.8 x 3.3 x 0.8 in.)
Weight	0.75 lb (340g)
Wavelength	Single-mode: 1310/1550 nm Multi-mode: 850nm
Sensitivity	-19dB
Output Power	-9.5dB
Supported Cable Types	9/123µm Single Mode and 50/125µm or 62.5/125µm Multi-mode
Data Transfer Rate (Maximum)	1000 Mbits/sec. (Gigabit)
Certifications (Regulatory and other)	FCC, CE (Class A)
Power Adapter	DC 12V, 1A, center pos.

Support, Warranty Information, and Regulatory Compliance Statement
If you ever need help with your product, visit www.startech.com/support and access our comprehensive selection of online tools, documentation, and downloads. This product is backed by a one-year warranty. In addition, StarTech.com warrants its products against defects in materials and workmanship for the periods noted, following the initial date of purchase. During this period, the products may be returned for repair, or replacement with equivalent products at our discretion. The warranty covers parts and labor costs only. StarTech.com does not warrant its products from defects or damages arising from misuse, abuse, alteration, or normal wear and tear.

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FCC Compliance Statement: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.