

MCM110GSC

10/100/1000 RJ45 to SC Fiber MultiMode Media Converter

Introduction

Thank you for purchasing a StarTech.com 10/100/1000 RJ45 to SC Fiber MultiMode Media Converter. This product offers a cost-effective solution for bridging Gigabit networks and extending network distances.

Features

- Auto detects half/full duplex transfer mode from the TX port
- Supports IEEE 802.3Z/AB 1000Base-T/SX/LX industry standards
- Supports a maximum multimode fiber optic cable distance of 550M

System Requirements

- Fiber Cable (MultiMode: 50/125, 62.5/12.5 or 100/140um)
- Cat5/Cat6 UTP Cable
- Power source

Package Contents

- Media Converter (1)
- Power Adapter (1)
- Instruction manual (this document)(1)

Installation

MCM110GSC connected to another Fiber Media Converter

The following diagram depicts MCM110GSC when paired with another fiber media converter:

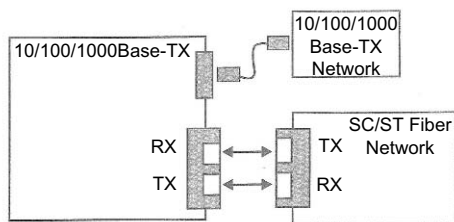


Basic Network Connection

Please note that the TX connector provided by MCM110GSC should connect to the RX of another, using either SC or ST fiber cabling.

Fiber: MultiMode: 50/125, 62.5/12.5 or 100/140um

Straight, twisted-pair or cross twisted-pair cable can be used to link to connected device's RJ45 port.



Specifications

LED Functions

LED	Function
1000	1000M speed is selected
100	100M speed is selected
TX	Lit when TP connection is good. Blinks when TP data is present.
FX	Lit when fiber connection is good. Blinks when fiber data is present.
FDX	Lit when full duplex mode is enabled
POW	Lit when power is available

Fiber Optic Specifications

Connector Type	SC/ST
Fiber Type	Multi-Mode
Wavelength	850nm
Typical Distance	0.5 Km
Min TX Power	-6.0dBm
Max TX Power	-12.0dBm
Sensitivity	</= -17.0dBm
Link Budget	12.0dBm

General Specifications

Transmit Type	(Rapid) Ethernet
Transmit Mode	10/100/1000Mbps Full/half duplex
MTBF	> 3 Years
Code error rate	< IE-8
Data buffer	1M
Power stability	0.2mw/°C
Optic Power Receiver Dynamic Range	-3 ~ -36
Working temperature	0°C - 70°C
Storage temperature	-45°C ~ 80°C
Maximum current	600mA
Power waste	2.5W
EMC	In accordance with FCC Part 15

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.