Instruction Manual

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10/100 Mbps Ethernet to Multi Mode SC/ST Fiber Media Converter - 2 km

ET90110SC2 / ET90110ST2

DE: Bedienungsanleitung - de.startech.com
FR: Guide de l'utilisateur - fr.startech.com
ES: Guía del usuario - es.startech.com
IT: Guida per l'uso - it.startech.com
NL: Gebruiksaanwijzing - nl.startech.com
PT: Guia do usuário - pt.startech.com

Packaging Contents

- 1 x Fiber Media Converter
- 1 x Universal Power Adapter
- 3 x Power Adapter Plug (NA/ UK/ EU)
- 1 x Instruction Manual
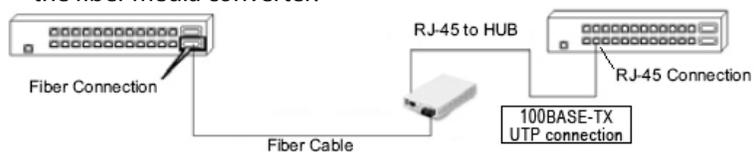
System Requirements

- 10BASE-T or 100Base-TX compatible Ethernet network equipment
- RJ45 terminated UTP Cat5 or better Ethernet cable
- 100BASE-FX compatible fiber optic network equipment
- SC or ST terminated multi mode fiber optic cable
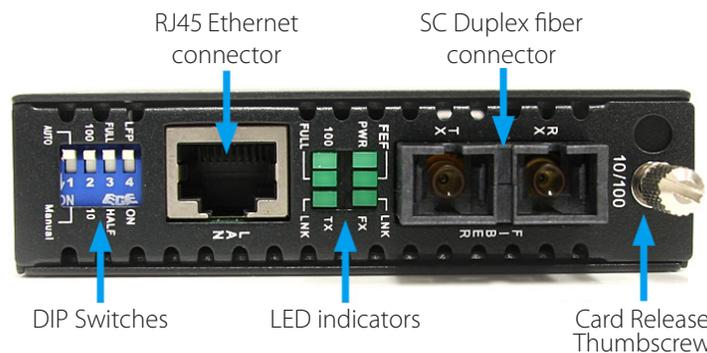- Available AC electrical outlet

Installation

1. Make sure the DIP switches are set appropriately for your network configuration (see "DIP Switch Settings" section for details).
2. Connect the fiber optic network cable from a computer/switch/ media converter to the SC/ST connector on the media converter.
NOTE: When connecting the fiber cable, make sure to connect the Tx (transmit) terminal on one end, with the Rx (receive) terminal on the other end.
3. Connect a UTP Ethernet cable, from a computer/switch to the RJ45 jack on the media converter.
4. Connect the power adapter to the media converter.
5. The following example illustrates the connection scheme when connecting from a 10BASE-T or 100BASE-TX Ethernet port of a hub/switch to a 100BASE-FX port of another hub/switch, through the fiber media converter:
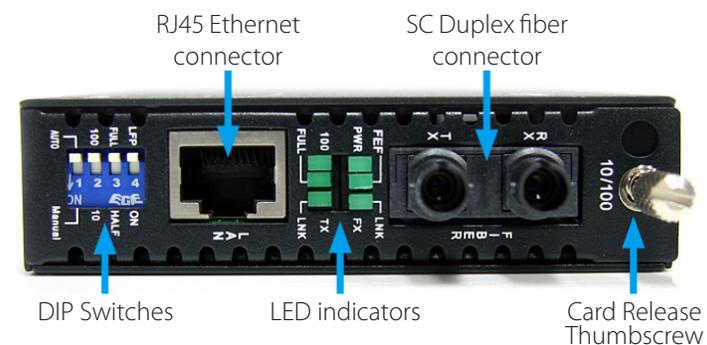

ET90110SC2

RJ45 Ethernet connector · SC Duplex fiber connector

DIP Switches · LED indicators · Card Release Thumbscrew

*actual product may vary from photos

ET90110ST2

RJ45 Ethernet connector · SC Duplex fiber connector

DIP Switches · LED indicators · Card Release Thumbscrew

Rear View (ET90110SC2/ET90110ST2)

DC Power connector

Ground Point (optional)

6. The following example illustrates the connection scheme when connecting from a 100BASE-TX Ethernet port on a hub/switch to a 100BASE-TX Ethernet Network Interface Card (NIC) in a computer through the fiber media converter:

DIP Switch Settings

LFP:

Link Fault Pass-through will pass a link failure to the Ethernet side, if a link failure is encountered on the fiber side and vice versa. Otherwise, the Ethernet side will continue to show no link failures, even if the fiber side has no link. (OFF = Not active, On = Active)

Full/ Half:

Ethernet Duplex mode will be configured for Full or Half.

10/ 100:

Set the Ethernet side link speed to 10 or 100 Mbps.

Auto/Manual:

Auto negotiate Link Speed and Duplex mode or manually set via DIP switches.

LED Status

LED	Name	Status	Description
PWR	Power	ON	Unit is powered
		OFF	Unit is not powered
FEF	Far End Fault	ON	Link Fault on far end device
		OFF	No Link Faults
LNK (FX)	Fiber Link	ON	Fiber link is detected
		OFF	Fiber link is not detected
		Blink	Data transmission
100	Ethernet Link Speed	ON	100 Mbps
		OFF	10 Mbps
Full	Ethernet Duplex Mode	ON	Full Duplex Mode
		OFF	Half Duplex Mode
LNK (TX)	Ethernet Link	ON	Ethernet Link detected
		OFF	Ethernet Link not detected
		Blink	Data Transmission

Specifications

	ET90110SC2	ET90110ST2
Supported Standards	IEEE 802.3, IEEE 802.3u	
Connectors	1 x RJ45 Ethernet female 2 x SC Fiber female 1 x DC Power	1 x RJ45 Ethernet female 2 x ST Fiber female 1 x DC Power
Compatible Fiber Type	Multi Mode	
Optical Wavelength	1310 nm	
Maximum Distance	2 km (1.2mi)	
Duplex Modes	Full/Half	
Auto MDIX	Yes (Ethernet)	
Power Adapter	12V DC, 1000mA, center positive, type M plug	
Enclosure Material	Metal	
Operating Temperature	0℃ ~ 60℃ (32°F ~ 140°F)	
Storage Temperature	-10℃ ~ 70℃ (14°F ~ 158°F)	
Humidity	10% ~ 90% RH	
Dimensions (LxWxH)	160.0mm x 95.0mm x 20.0mm	
Weight	600g	

FCC Compliance Statement

This equipment has been tested and found to comply with the limits for a Class B 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.

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Warranty Information

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