

## Gigabit Ethernet Fiber Media Converter Card Module with Open SFP Slot

ET91000SFP2 / ET91000SFP2C

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

#### ET91000SFP2

- 1 x Fiber Media Converter
- 1 x Universal Power Adapter (NA/EU/UK)
- 1 x Grounding Screw
- Instruction Manual

#### ET91000SFP2C

- 1 x Fiber Media Converter
- Instruction Manual

### System Requirements

- MSA Compliant Gigabit SFP Module
- 1000BASE-T compatible Ethernet network equipment
- RJ45 terminated UTP Cat5e or better Ethernet cable
- Available AC electrical outlet

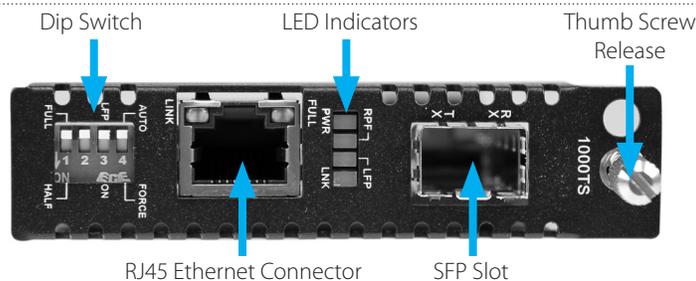
### Installation

1. Make sure the DIP switches are set appropriately for your network configuration (see "DIP Switch Settings" section for details).
2. Insert a compatible SFP module into the open SFP slot.
3. Connect a fiber optic network cable from a computer / switch / media converter to the inserted SFP connector on the media converter.

**NOTE:** When connecting the fiber cable to your installed SFP module, make sure to connect the Tx (transmit) terminal on one end, with the Rx (receive) terminal on the other end.

4. Connect a UTP Ethernet cable from a computer/switch to the RJ45 jack on the media converter.
5. Connect the power adapter to the media converter.

### Front



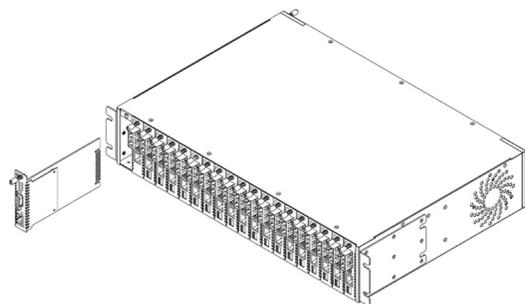
### Rear



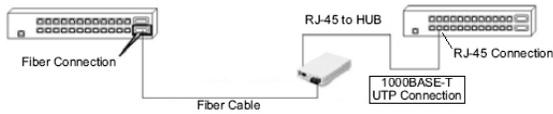
### Installation into ETCHS2U Chassis

The ETCHS2U chassis supports the full line of StarTech.com ET series 2 media converters, which can be installed in a mixed fashion to suit your environment. The cards are designed to be hot-swappable, meaning the chassis need not be powered off in order to remove or insert a card.

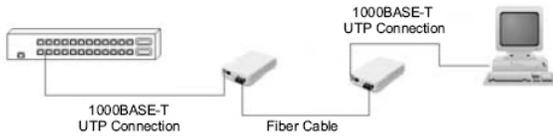
1. If the chassis slot was previously unused, loosen the screw at the top of the slot to remove the cover plate
2. Align the card with the desired slot of the chassis and gently slide the card into the groove to seat the power connection
3. Re-tighten the captive screw to hold the card in place



The following example illustrates the connection scheme when connecting from a 1000BASE-T Ethernet port of a hub/switch to a 1000BASE-SX/LX port of another hub/switch, through the fiber media converter:

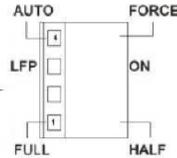


The following example illustrates the connection scheme when connecting from a 1000BASE-T Ethernet port on a hub/switch to a 1000BASE-T Ethernet Network Interface Card (NIC) in a computer through the fiber media converter:



## DIP Switch Settings

DIP No.	Pos	Parameter
1	OFF	Force Full Duplex (if Forced enabled)
	ON	Force Half Duplex (if Forced enabled)
2	OFF	Reserved
	ON	Reserved
3	OFF	Disable LFP
	ON	Enable LFP
4	OFF	UTP Auto Negotiation
	ON	Enable UTP Forced Mode



## LED Indicators

LED	State	Status
PWR (Green)	On	Power on
	Flash	During upgrade (rapid flash)
	Off	No Power or Card Disabled
RPF (Green)	On	Remote Power Failure
	Off	Remote Power Normal
LFP (Green)	On	Link Fault Pass-thru Enabled
	Off	Link Fault Pass-thru Disabled
LNK (Green)	On	Fiber Link is OK
	Off	No Fiber Link
FULL (RJ45) (Green)	On	UTP is Full Duplex
	Off	UTP is not Full Duplex
LINK (RJ45) (Green)	On	UTP link is OK
	Off	No UTP link

## 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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For the latest drivers/software, please visit [www.startech.com/downloads](http://www.startech.com/downloads)

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## Specifications

	ET91000SFP2/ ET91000SFPC
Supported Standards	IEEE 802.3ab, IEEE 802.3z
Connectors	1 x RJ45 Ethernet female 1 x SFP Slot 1 x DC Power
Max Data Rate	1.25 Gbps
Compatible Fiber Type	Depends on SFP
Optical Wavelength	Depends on SFP
Maximum Distance	Depends on SFP (Fiber), 100m (RJ45)
Duplex Modes	Full/Half
Auto MDIX	Yes (Ethernet)
Power	12V DC, 1 A, Center-positive, Type M plug
Power Consumption	< 8W
Enclosure Material	Metal
Operating Temperature	0°C to 60°C (32°F to 140°F)
Storage Temperature	-10°C to 70°C (14°F to 158°F)
Humidity	10~90% RH (Non-Condensing)
Dimensions (LxWxH)	160 x 95 x 20mm
Weight	400g