TRENDnet®

Quick Installation Guide

TFC-1000 Series (V1)

Table of Contents

1. Before You Start

Package Contents

- Fiber Converter
- Quick Installation Guide
- Power Adapter

Minimum Requirements

- An environment that is fairly cool and dry
- An environment that is free from strong electromagnetic field generators (such as motors), vibration, dust and direct exposure to sunlight
- TFC-1600 chassis (optional) or sturdy, level surface that can support the weight of the Fiber Converter
- Gigabit Ethernet Switch
- Multi-Mode or Single-Mode Fiber cable
- Cat. 5e or Cat. 6 RJ-45 Ethernet Cable

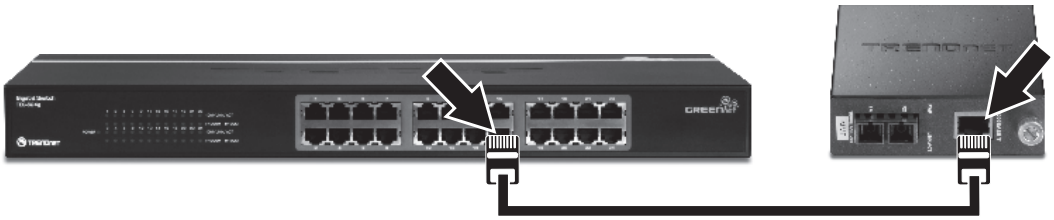
Optional Equipment

- Standard 19” rack
- TFC-1600 chassis
- Mini-GBIC module (e.g. TEG-MGBSX, TEG-MGBS10, TEG-MGBS40, TEG-MGBS80, TEG-MGBS10D35, TEG-MGBS40D35) for Mini-GBIC slot (TFC-1000MGB/TFC-1000MGA only)

2. Hardware Installation

Installing two standalone Fiber Converters

1. Connect an RJ-45 Ethernet cable from the Ethernet port on the fiber converters to an Ethernet port on your switch (e.g TEG-S24Dg).



2. Connect the fiber cable to the fiber converters.

3. Connect the power adapter to the back of the fiber converter.

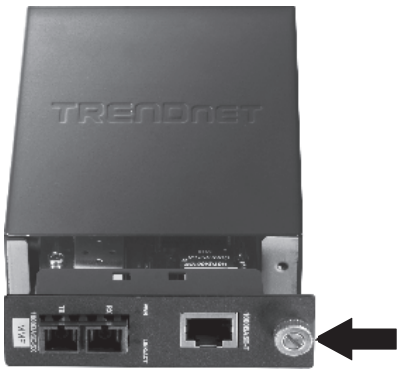
Note:

1. For the TFC-1000MSC / S20/ S50 / S70, the TX and RX cables must be reversed on the opposite fiber connection.
2. Cabling
   a. Multi-Mode Optic Cable: TFC-1000MSC, TFC-1000MGB/TFC-1000MGA with TEG-MGBSX module
   b. Single-Mode Optic Cable: TFC-1000S20, TFC-1000S50, TFC-1000S70, TFC-1000MGB/TFC-1000MGA with TEG-MGBS10/TEG-MGBS40/ TEG-MGBS80 module
   c. Single Strand Optic Cable for TFC-1000S10D3, TFC-1000S10D5, TFC-1000S40D3, TFC-1000S40D5, TFC-1000MGB /TFC-1000MGA with TEG-MGBS10D35/TEG-MGBS40D35 module

Installing Fiber Converter in a Chassis

1. Unscrew the bay cover from the desired bay on the chassis.

2. Unfasten the thumbscrew and remove the fiber converter from the metal casing.



3. Slide the media converter into an available slot and fasten the thumbscrew.

Your installation is now complete.

3. LEDs and DIP switches

LEDs			
LED	**Color**	**Sequence**	**Function**
PWR (Power)	Green	Solid	Device powered On
	Off	n/a	Device powered Off
LINK/ ACT	Green	Solid	2000Mbps (Full Duplex) Connection (per port)
	Green	Blinking	2000Mbps (Full Duplex) Data Transmitting/ Receiving (per port)
	Off	n/a	The link is disconnected

Dip Switches		
Switch	**Action**	**Function**
1	**On**	TX Forced Mode
	Off	TX Auto-Negotiation
2	**On**	LLR Enable
	Off	LLR Disable

Note:

1. After changing the DIP Switch settings, power cycle the Fiber Converter
2. LLR stands for Link Loss Return. When LLR is enabled, the fiber port's transmitter shuts down if its receiver fails to detect a valid receive link. If one of the optical conductors is bad, the Fiber converter with LLR enabled will return a no link condition to its link partner. LLR is used to detect link problems only on the fiber port. If LLR is enabled on one Fiber converter, the opposite Fiber converter mus have LLR disabled

Declaration of Conformity

Manufacturer's Name and Address

TRENDnet, Inc.
20675 Manhattan Place
Torrance, CA 90501 USA

Zwolsestraat 156 2587 WB
The Hague The Netherlands

CE

Product Information

Model Number: TFC-1000 Series
Product Name: 1000Base-TX to 1000Base-SX/LX Fiber Converter

Trade Name: TRENDnet

TRENDnet hereby declare that the product is in compliance with the essential requirements and other relevant provisions under our sole responsibility.

EMC TFC-1000MSC, TFC-1000S20, TFC-1000S50, TFC-1000S70, TFC-1000MGB, TFC-1000MGA, TFC-1000S10D3, TFC-1000S10D5 1000S40D3, TFC-1000S40D5

This product is herewith confirmed to comply with the Directives.

Technical Standards: EN 55022: 2006 Class A
EN 61000-3-2: 2006 Class A
EN 61000-3-3: 1995 + A1: 2001 + A2: 2005
EN 55024: 1998 + A1: 2001 + A2: 2003

Person responsible for this declaration.

Place of Issue: Torrance, California, USA

Date: April 01, 2019

Name: Sonny Su

Title: Director of Technology

Signature: _____

TrendNet, Inc. INCORPORATED SEPT. 3 2009 CALIFORNIA

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Certifications
This device complies with Part 15 of the FCC Rules.
Operation is subject to the following two conditions:
(1) This device may not cause harmful interference.
(2) This device must accept any interference received. Including interference that may cause undesired operation.

FC CE

Waste electrical an electronic products must not be disposed of with household waste. Please recycle where facilities exist. Check with your Local Authority or Retailer for recycling advice.

Applies to PoE Products Only: This product is to be connected only to PoE networks without routing to the outside plant.

Note
The Manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. Such modifications could void the user's authority to operate the equipment.

Advertencia
En todos nuestros equipos se mencionan claramente las caracteristicas del adaptador de alimentacón necesario para su funcionamiento. El uso de un adaptador distinto al mencionado puede producir daños fisicos y/o daños al equipo conectado. El adaptador de alimentación debe operar con voltaje y frecuencia de la energia electrica domiciliaria exitente en el pais o zona de instalación.

Technical Support
If you have any questions regarding the product installation, please contact our Technical Support.
Toll free US/Canada: **1-866-845-3673**
Regional phone numbers available at www.trendnet.com/support

Product Warranty Registration
Please take a moment to register your product online. Go to TRENDnet's website at:
www.trendnet.com/register

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