



## Fiber Converters

### TFC-1000 Series

- Guide d'installation rapide [1]

## 1. Avant de commencer

### Contenu de l'emballage

- Convertisseur fibre
- Guide d'installation rapide en plusieurs langues
- Alimentation

Si tout le contenu ci-dessus sont manquantes, s'il vous plaît contactez votre revendeur.

### Configuration minimale

- Un environnement assez frais et sec
- Un environnement exempt de toute source de génération de champ électromagnétique fort (comme les moteurs), de vibration, de poussières et veuillez à ce qu'il ne soit pas directement exposé aux rayons du soleil.
- Châssis TFC-1600 (non fourni) ou une surface plane pouvant supporter le poids du convertisseur fibre
- Switch Gigabit 1000Mbps
- Câbles fibres multi-mode ou monomode
- Câble Ethernet RJ-45 Cat. 5e ou Cat. 6

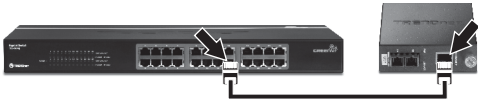
### Équipement optionnel

- Un rack standard 19 pouces
- Châssis TFC-1600
- Module Mini GBIC (par ex. TEG-MGBSX, TEG-MGBS10, TEG-MGBS40, TEG-MGBS80, TEG-MGBS10D35, TEG-MGBS40D35) pour logements Mini GBIC (TFC-1000MGB/TFC-1000MGA uniquement)

## 2. Installation du matériel

### Installation de 2 convertisseurs fibre autonomes

1. Branchez un câble Ethernet RJ-45 entre le port Ethernet des convertisseurs de fibre et le port Ethernet de votre switch (TEG-S24Dg).



2. Branchez le câble fibre aux convertisseurs fibre.



3. Branchez l'adaptateur secteur à l'arrière du convertisseur fibre.



### **Remarque:**

1. Pour le TFC-1000MSC / S20/ S50 / S70, les câbles TX et RX doivent être inversés sur la connexion fibre opposée.
2. Câblage
  - a. Câble optique multimode: TFC-1000MSC, TFC-1000MGB/ TFC-1000MGA avec le module TEG-MGBSX
  - b. Câble optique monomode: TFC-1000S20, TFC-1000S50, TFC-1000S70, TFC-1000MGB/TFC-1000MGA avec le module TEG-MGBS10/ TEG-MGBS40/TEG-MGBS80
  - c. Câble optique à simple brin: TFC-1000S10D3, TFC-1000S10D5, TFC-1000S40D3, TFC-1000S40D5, TFC-1000MGB/TFC-1000MGA avec le module TEG-MGBS10D35/TEG-MGBS40D35

## Installation d'un convertisseur fibre dans un châssis

1. Dévissez le cache baie de la baie choisie sur le châssis.



2. Desserrez la vis à molette et enlevez le convertisseur fibre du logement métallique



3. Glissez le convertisseur media dans un logement disponible et serrez la vis à molette.



**L'installation est maintenant complète.**

### 3. Voyants lumineux et interrupteurs Dip

#### Voyants lumineux

Voyants lumineux	Couleur	Séquence	Fonction
<b>PWR (Alimentation)</b>	Vert	Fixe	Périphérique alimenté allumé
	Arrêt		Périphérique alimenté éteint
<b>LINK/ACT</b>	Vert	Fixe	2000Mbps (Full Duplex) branché (par port)
	Vert	Clignotant	2000Mbps (Full Duplex) Emission/ réception de données (par port)
	Arrêt		La liaison est coupée

#### Interrupteurs DIP

Switch	Action	Fonction
<b>1</b>	<b>Activé</b>	TX Forced Mode (Mode forcé)
	<b>Arrêt</b>	TX Auto-Negotiation (Auto-négociation)
<b>2</b>	<b>Activé</b>	LLR Enable (Activer)
	<b>Arrêt</b>	LLR Disable (Désactiver)

#### Remarque:

1. Après avoir changé les paramètres de l'interrupteur DIP, éteignez et rallumez le convertisseur fibre.
2. LLR signifie Link Loss Return. Lorsque le LLR est activé, l'émetteur du port fibre s'éteint si son récepteur n'arrive pas à détecter une liaison valable. Si l'un des conducteurs optiques est endommagé, la carte avec le LLR activé informera son partenaire de liaison de l'absence de liaison. Le LLR est utilisé pour détecter les problèmes de liaison uniquement sur le port fibre. Si le LLR est activé sur un convertisseur fibre, le LLR du convertisseur fibre opposé doit être désactivé.

## 4. Technical Specifications

### Power Budget

Model Number	Media	Connectors	Wavelength	Optical Output Power (dBm)		Optical Input Power (dBm)		Power	Distance
				Min.	Max.	Min. (Sensitivity)	Max.	Budget	
TFC-1000MSC	MMF	RJ-45/SC (Duplex)	850nm	-9.5	-4	-12.5	-13.5	7.5	220m (62.5/125µm) cable 550m (50/125 µm) cable
TFC-1000S20	SMF	RJ-45/SC (Duplex)	1310nm	-9.5	-3	-20	-3	11.5	20km
TFC-1000S50	SMF	RJ-45/SC (Duplex)	1550nm	-4	1	-23	-3	19	50km
TFC-1000S70	SMF	RJ-45/SC (Duplex)	1550nm	0	5	-24	-3	24	70km
TFC-1000S10D3	SMF	RJ-45/SC- (Simplex)	TX-1310nm/ RX-1550nm	-9	-3	-21	-3	12	10km
TFC-1000S10D5	SMF	RJ-45/SC- (Simplex)	TX-1550nm/ RX-1310nm	-9	-3	-21	-3	12	10km
TFC-1000S40D3	SMF	RJ-45/SC- (Simplex)	TX-1310nm/ RX-1550nm	-7	-2	-23	-2	16	40km
TFC-1000S40D5	SMF	RJ-45/SC- (Simplex)	TX-1550nm/ RX-1310nm	-7	-2	-23	-2	16	40km

# Déclaration de conformité



## Coordonnées du fournisseur:

Nom:

TRENDnet, Inc.

Adresse:

20675 Manhattan Place  
Torrance, CA 90501  
USA

## Détails du produit:



Nom du produit:

1000Base-TX to 1000Base-SX/LX Fiber Converter

Modèle:

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

Nom Commercial:

TRENDnet

## Détails standard applicable:

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

## Déclaration:

*Le produit est conforme aux exigences de la directive 2004/108/EC du Conseil (Parlement européen) sur la directive EMC et de produits liés à l'énergie de la directive 2009/125/CE.*

*Je déclare par la présente que les produits et appareils mentionnés ci-dessus sont conformes aux standards et aux dispositions des directives.*

\_\_\_\_\_  
Sonny Su

Full Name

\_\_\_\_\_  
May 27, 2011

Date

\_\_\_\_\_  
Director of Technology

Position / Title

\_\_\_\_\_  
  
Signature

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- (2) This device must accept any interference received. Including interference that may cause undesired operation.



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