



# Installation Guide

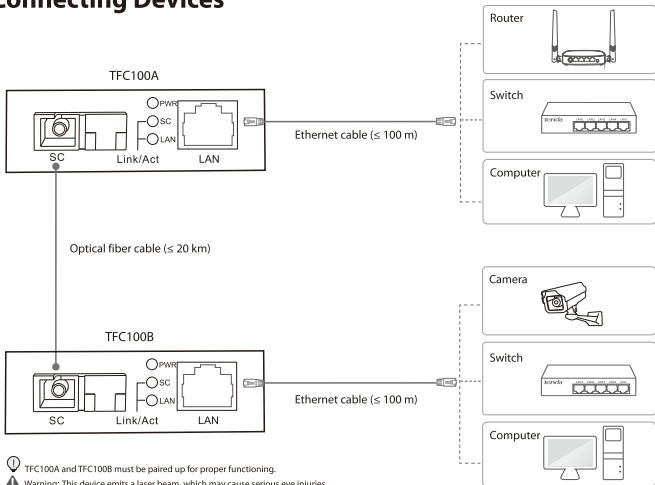
100Mbps Single-Mode Media Converter  
TFC100A / TFC100B


## Packing List


- 100Mbps Single-Mode Media Converter x 1
- Power Adapter x 1
- Installation Guide x 1

If any item is missing or damaged, please keep the original package and contact the local reseller or distributor immediately.

# Connecting Devices



 TFC100A and TFC100B must be paired up for proper functioning.

 Warning: This device emits a laser beam, which may cause serious eye injuries.  
Do not look directly into the SC port after powering on the device.

Verify device connections based on the LED indicator states described in the following table.

LED Indicator	Name	State Description
PWR	Power indicator	<b>Solid on:</b> The device has been powered on properly.
		<b>Off:</b> The device is not connected to a power supply properly or not connected to a power supply.
Link/Act	Connection status	<b>Solid on:</b> The port is connected properly.
		<b>Blinking:</b> The port is transmitting or receiving data.
		<b>Off:</b> The port is not connected properly or not connected.

## Specifications

Specifications		Model	TFC100A	TFC100B
		Port	Number of ports	100 Mbps RJ45 port x 1; 100 Mbps SC port x 1
	Lightning protection for the RJ45 port	6kV		
Optical fiber type		Single-mode optical fiber		
Transmission distance		20km		
Operating wavelength		Transmit: 1550nm	Receive: 1310nm	Transmit: 1310nm    Receive: 1550nm
Power supply		Input: 100-240V AC, 50/60Hz    Output: 5V DC, 0.6A		
Dimensions (L x W x H)		95 mm x 72 mm x 26 mm		
Environments	Operating environment	Operating temperature: 0°C - 45°C    Operating humidity: 10%-90% RH, non-condensing		
	Storage environment	Storage temperature: -40°C - 70°C    Storage humidity: 5%-90% RH, non-condensing		

# Español

Compruebe las conexiones del dispositivo de acuerdo con los estados del indicador LED que se describen en la siguiente tabla.

Indicador LED	Nombre	Descripción del estado
PWR	Indicador de encendido	<b>Encendido, luz sólida:</b> El aparato se ha encendido correctamente.
		<b>Apagado:</b> El dispositivo está conectado a la fuente de alimentación incorrectamente o no está conectado a la fuente de alimentación.
Link/Act	Indicador del estado de conexión	<b>Encendido, luz sólida:</b> El puerto está conectado correctamente.
		<b>Intermitente:</b> El puerto está transmitiendo o recibiendo datos.
		<b>Apagado:</b> El puerto está conectado incorrectamente o no está conectado.



Nota: TFC100A y TFC100B deben estar emparejados para que el funcionamiento sea correcto.



Advertencia: Warning: Este dispositivo emite un haz de láser, el cual puede causar lesiones oculares graves. No mire directamente al puerto SC después de encender el dispositivo.

# Italiano

Verificare le connessioni del dispositivo in base agli stati dell'indicatore LED descritti nella seguente tabella.

Indicatore LED	Nome	Stato/Descrizione
PWR	Indicatore di alimentazione	<b>Fisso:</b> Il dispositivo è stato alimentato correttamente.
		<b>Spento:</b> Il dispositivo è collegato in modo improprio o non è connesso a un alimentatore.
Link/Act	Indicatore di stato della connessione	<b>Fisso:</b> La porta corrispondente è collegata correttamente.
		<b>Intermittente:</b> La porta sta trasmettendo o ricevendo dati.
		<b>Spento:</b> La porta è collegata in modo improprio o non è connessa.



Nota: TFC100A e TFC100B devono essere accoppiati per un corretto funzionamento.



Attenzione: Questo dispositivo emette un fascio laser, che può causare gravi lesioni oculari. Non guardare direttamente nella porta SC dopo l'accensione del dispositivo.

# Português

Verifique as conexões do dispositivo com base nos estados dos indicadores de LED descritos na tabela a seguir.

Indicador LED	Nome	Descrição do estado
PWR	Indicador de energia	<b>Sólido ativado:</b> O dispositivo foi alimentação adequadamente.
		<b>Off (Desligado):</b> O dispositivo não está conectado a uma fonte de alimentação corretamente ou não está conectado a uma fonte de alimentação.
Link/Act	Indicador do estado da conexão	<b>Sólido ativado:</b> A porta está ligada corretamente.
		<b>A Piscar:</b> A porta está transmitindo ou recebendo dados.
		<b>Off (Desligado):</b> A porta correspondente está conectada de maneira inadequada ou não conectada.



Nota: TFC100A e TFC100B devem estar pareados para o funcionamento correto.



Atenção: Este dispositivo emite um raio laser que pode causar graves lesões aos olhos. Não olhe diretamente na porta SC, após ligar o dispositivo.

# Deutsch

Verifizieren Sie die Geräteverbindung basierend auf der LED-Anzeige, beschrieben in der folgenden Tabelle.

LED-Anzeiger	Name	Statusbeschreibung
PWR	Stromanzeiger	<b>Leuchtet:</b> Das Gerät wurde korrekt hochgefahren.
		<b>Aus:</b> Das Gerät ist nicht korrekt oder gar nicht mit einem Netzteil verbunden.
Link/Act	Anzeige des Verbindungsstatus	<b>Leuchtet:</b> Der Port ist korrekt angeschlossen.
		<b>Blinkt:</b> Der Port überträgt oder empfängt Daten.
		<b>Aus:</b> Der entsprechende Port ist nicht korrekt oder gar nicht verbunden.



Hinweis: TFC100A und TFC100B müssen gekoppelt sein, damit sie korrekt funktionieren.



Warnung: Dieses Gerät sendet einen Laserstrahl ab, der zu ernsthaften Augenverletzungen führen kann. Schauen Sie nicht direkt in den SC-Port, wenn Sie das Gerät angeschaltet haben.

# Polski

Sprawdź połączenia urządzenia opierając się o stany kontrolki LED opisane poniżej.

Kontrolka LED	Nazwa	Opis stanu
PWR	Kontrolka mocy	<b>Ciągłe światło:</b> Urządzenie zostało poprawnie podłączone do zasilania.
		<b>Wyłącz:</b> Urządzenie nie zostało poprawnie podłączone do zasilania lub nie podłączono go do zasilania wcale.
Link/Act	Kontrolka statusu podłączenia	<b>Ciągłe światło:</b> Gniazdo jest połączone poprawnie.
		<b>Miganie:</b> Port prowadzi transmisję danych.
		<b>Wyłącz:</b> Port nie jest podłączony lub jest podłączony nieprawidłowo.



Uwaga: TFC100A oraz TFC100B muszą zostać sparowane, aby urządzenie funkcjonowało prawidłowo.



Ostrzeżenie: Urządzenie emituje laserowy promień, który może doprowadzić do poważnego zranienia oczu. Nie należy bezpośrednio patrzeć w port SC po podłączeniu urządzenia.

# Français

Vérifier les connexions de l'appareil sur la base de l'indicateur LED décrite dans le tableau suivant.

Indicateur LED	Nom	Description de l'état
PWR	Indicateur d'alimentation	<b>Solide en marche:</b> L'appareil a été correctement alimenté.
		<b>Éteint:</b> L'appareil n'est pas correctement connecté à une source d'alimentation ou n'est pas connecté à une source d'alimentation.
Link/Act	Indicateur du statut de connexion	<b>Solide en marche:</b> Le port est correctement connecté.
		<b>Clignotant:</b> Le port transmet ou reçoit les données.
		<b>Éteint:</b> Le port n'est pas connecté correctement ou pas du tout.



Remarque: TFC100A et TFC100B doivent être appariés pour un fonctionnement correct.



Avertissement: L'appareil émet un faisceau laser, susceptible de causer de graves dommages sur les yeux. Évitez de regarder directement dans le port SC après l'alimentation de l'appareil.

# Română

Verificați conexiunile dispozitivului în funcție de starea indicatorului LED descrisă în tabelul următor.

Indicator LED	Nume	Descrierea stării
PWR	Indicator alimentare	<b>Aprins:</b> Dispozitivul a fost pornit corect.
		<b>Oprit:</b> Dispozitivul nu este conectat la o sursă de alimentare corectă sau nu este conectat la o sursă de alimentare.
Link/Act	Indicator stare conexiune	<b>Aprins:</b> Portul corespunzător este conectat corect.
		<b>Lumineaza intermitent:</b> Portul transmite sau primește date.
		<b>Oprit:</b> Portul corespunzător nu este conectat corect sau nu este conectat.



Notă: TFC100A și TFC100B trebuie să fie asociate pentru a funcționa corect.



Avertizare: Acest dispozitiv emite un fascicul laser, care poate provoca vătămări grave ale ochilor. Nu priviți direct în portul SC după pornirea dispozitivului.

# Magyar

Ellenőrizze a készülék csatlakozását a következő táblázatban leírt LED visszajelző állapotok alapján.

LED visszajelző	Név	Állapot leírás
PWR	Tápellátás jelző	<b>Folyamatosan bekapcsolva:</b> The device has been powered on properly.
		<b>Ki:</b> A készülék nincs megfelelően csatlakoztatva a tápegységhez, vagy egyáltalán nincs tápegységhez csatlakoztatva.
Link/Act	Kapcsolat állapotának jelzője	<b>Folyamatosan bekapcsolva:</b> Az egyező port helyesen van csatlakoztatva.
		<b>Villog:</b> A port adatokat továbbít vagy fogad.
		<b>Ki:</b> Az egyező port helytelenül vagy nincs csatlakoztatva.



Megjegyzés: A TFC100A és a TFC100B készülékeket párosítani kell a megfelelő működés eléréséhez.



Figyelmeztetés: Ez az eszköz lézersugarat bocsát ki, amely súlyos szemkárosodást okozhat. Ne nézzen közvetlenül az SC portba az eszköz bekapcsolása után.

# Русский

Проверьте подключения устройств, с помощью светодиодного индикатора, описанных в следующей таблице.

Светодиодный индикатор	Наименование	Описание статуса
PWR	Индикатор питания	<b>Светит постоянно:</b> Устройство включено правильно.
		<b>Выкл:</b> Устройство не подключено к источнику питания, или подключено не правильно.
Link/Act	Индикатор состояния подключения	<b>Светит постоянно:</b> Порт подключен правильно.
		<b>Мигает:</b> Порт работает в режиме приема и передачи данных.
		<b>Выкл:</b> Соответствующий порт подключен неправильно или не подключен.

ⓘ Примечание: TFC100A и TFC100B должны быть в сопряжены для правильной работы.

⚠ Внимание: Это устройство излучает лазерный луч, который может вызвать серьезные травмы глаз. Не заглядывайте в порт SC после включения устройства.

# Türk

Aşağıdaki tabloda tanımlanan LED gösterge durumlarına dayanarak cihaz bağlantılarını doğrulayın.

LED Göstergesi	Adı	Durum Açıklaması
PWR	Güç Göstergesi	<b>Açık kalıyor:</b> Cihaza düzgün şekilde güç verilmiş.
		<b>Kapalı:</b> Cihaz bir güç kaynağına düzgün bağlanmamış veya bir güç kaynağına bağlı değil.
Link/Act	Bağlantı durumu göstergesi	<b>Açık kalıyor:</b> Bağlantı noktası düzgün şekilde bağlanmıştır.
		<b>Yanıp sönüyor:</b> Port verileri aktarıyor veya alıyor.
		<b>Kapalı:</b> Karşılık gelen bağlantı noktası yanlış şekilde bağlı ya da bağlı değil.

ⓘ Not: TFC100A ve TFC100B düzgün çalışması için eşleştirilmelidir.

⚠ Uyarı: Bu cihaz, ciddi göz yaralanmalarına sebep olabilecek bir lazer ışını yayar. Cihaza güç verildikten sonra SC portuna doğrudan bakmayın.





## CE Mark Warning

This is a Class A product. In a domestic environment, this product may cause radio interference, in which case the user may be required to take adequate measures.

For Pluggable Equipment, the socket-outlet shall be installed near the equipment and shall be easily accessible.

WARNING: The mains plug is used as disconnect device, the disconnect device shall remain readily operable.

NOTE: (1) The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment.

(2) To avoid unnecessary radiation interference, it is recommended to use a shielded RJ45 cable.



## FCC 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 when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

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, and (2) this device must accept any interference received, including interference that may cause undesired operation.

### **Caution!**

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: (1) The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment.

(2) To avoid unnecessary radiation interference, it is recommended to use a shielded RJ45 cable.



Caution:

Adapter Model: 50000950

Manufacturer: Dongguan Ponon Technology Co., Ltd.

Input: 100-240V AC, 50/60Hz, 0.3A

Output: 5V DC, 600mA

 : DC Voltage



 RECYCLING

This product bears the selective sorting symbol for Waste electrical and electronic equipment (WEEE). This means that this product must be handled pursuant to European directive 2012/19/EU in order to be recycled or dismantled to minimize its impact on the environment.

User has the choice to give his product to a competent recycling organization or to the retailer when he buys a new electrical or electronic equipment.

## Technical Support

United States Hotline: 1-800-570-5892

Canada Hotline: 1-888-998-8966

Hong Kong Hotline: 00852-81931998

Skype: Tendasz

Website: [http:// www.tendacn.com](http://www.tendacn.com)

E-mail: [support@tenda.com.cn](mailto:support@tenda.com.cn)

Address Info: 6-8 Floor, Tower E3, No.1001, Zhongshanyuan Road, Nanshan District, Shenzhen, China. 518052

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