



# Installation Guide

**JetStream 10-Gigabit 2-Port SFP+ Module**  
TX432

# Chapter 1 Introduction

## 1.1 Overview of the Product

JetStream 10-Gigabit 2-Port SFP+ Module TX432 is an interface card providing two 10G SFP+ ports. It is applicable to multiple TP-Link switch models.

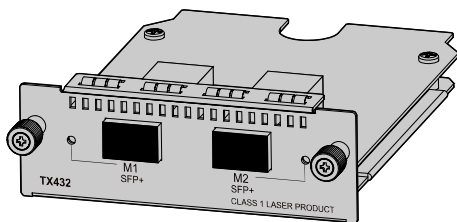


Figure 1-1 Appearance of TX432

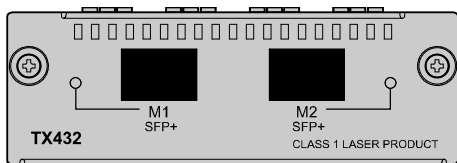


Figure 1-2 Front panel of TX432

## 1.2 Description of Ports

Ports of TX432 are both 10G SFP+ ports. You can insert an SFP+ transceiver into the port (on TX432) to connect it to the SFP+ port (on another device) through an optical fiber, or an SFP+ cable provided by TP-Link. For details about the supported SFP+ transceivers and SFP+ cables, please refer to the table below.

Transceiver /Cable	Central wavelength	Connector	Interface cable	Max transmission distance
TXM431-SR	850nm	LC	50/125 $\mu$ m multimode optical fiber	300m
			62.5/125 $\mu$ m multimode optical fiber	33m
TXM431-LR	1310nm		9/125 $\mu$ m single-mode optical fiber	10km
TXC432-CU1M	-	-	SFP+ cable	1m
TXC432-CU3M				3m

## 1.3 Description of LEDs

There is an LED for each port, labeled as M1 and M2, on the panel of TX432. Described below:

LED	Status	Description
M1,M2	Off	The port isn't connected to any devices.
	On	SPF+ port is connected to a device.
	Blinking	SPF+ port is connected to a device and transferring data.

### Note:

The switch applicable to TX432 will display corresponding LEDs on its front panel to indicate the port status of the interface card. For details about the LEDs, please refer to the switch user guide.

## Chapter 2 Installation

### 2.1 Tools for installation

- Philips screwdriver
- ESD-preventive wrist strap

### 2.2 Installing & Removing the Interface Card

- **Installing the Interface Card to the switch**
  1. Wear an ESD-preventive wrist strap, and make sure that it has good skin contact and is well grounded.
  2. Use a Phillips screwdriver to loosen the mounting screws of the filler panel on the interface card slot of the

switch (T3700G-28TQ for example) and remove the filler panel, as shown in Figure 2-1.

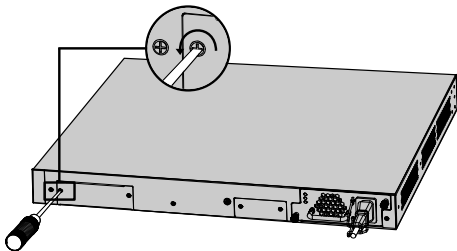


Figure 2-1 Install an interface card (1)

3. Hold the fastening screws on the front panel of the interface card, and gently push the interface card along the slot guide rail until the interface card is flush with the switch, as shown in Figure 2-2.

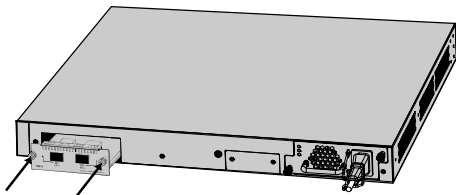


Figure 2-2 Install an interface card (2)

4. Tighten the captive screws with a Phillips screwdriver to fix the interface card in place.

- **Removing the Interface Card**

1. Wear an ESD-preventive wrist strap, and make sure that it has good skin contact and is well grounded.
2. Use a Phillips screwdriver to loosen the captive screws at both sides of the interface card until all spring pressure is released.
3. Pull the interface card towards you along the guide rails, until it completely comes out of the switch chassis.

 **Note:**

- TX432 supports hot plug, so if necessary you can install or remove the interface card when the switch is operating. However, it is recommended that the power be turned off during installation.
- Do not touch the surface-mounted components directly with your hand while the switch is in operation.
- After removing an interface card, if no new interface card is to be installed, please install the filler panel as soon as possible to prevent dust from entering and ensure the normal ventilation in the switch.

## **2.3 Verifying the Installation**

The switch applicable to TX432 will display corresponding LEDs on its front panel to indicate the port status of the interface card. When the switch runs properly, check whether the interface card is operating properly according to the

status of its Port LED. If the interface card isn't operating properly, check whether it is installed correctly.

## **2.4 Safety of Laser Use**

TX432 is a Class-1 laser device.

Do not look straight at the optical port of TX432 when it is operating, because the optical fiber beam is of high energy and thus will do great harm to the retina.



Looking straight at the optical fiber beam could do great harm to your eyes.

## Appendix: Specifications

Normal	
Standards	IEEE 802.3ae, IEEE 802.3aq, SFF-8431
Safety & Emissions	FCC, CE
Max Power Consumption	6.57w with Fiber
LED	M1,M2
Operating Temp	0°C to 50°C (32°F to 122°F)
Storage Temp	-40°C to 70°C (-40°F to 158°F)
Operating Humidity	10% to 90% RH, Non-condensing
Storage Humidity	5% to 90% RH, Non-condensing



For technical support and other information, please visit <http://www.tp-link.com/support>, or simply scan the QR code.



## **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.
- 2) This device must accept any interference received, including interference that may cause undesired operation.

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

## **Industry Canada Statement**

CAN ICES-3 (A)/NMB-3(A)

## **Korea Warning Statements**

당해 무선설비는 운용중 전파혼신 가능성이 있음.

## 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.

## Canadian Compliance Statement

This device complies with Industry Canada license-exempt RSSs. Operation is subject to the following two conditions:

- 1) This device may not cause interference, and
- 2) This device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes :

- 1) l'appareil ne doit pas produire de brouillage;
- 2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

## BSMI Notice

### 安全諮詢及注意事項

- 請使用原裝電源供應器或只能按照本產品注明的電源類型使用本產品。

- 清潔本產品之前請先拔掉電源線。請勿使用液體、噴霧清潔劑或濕布進行清潔。
- 注意防潮，請勿將水或其他液體潑灑到本產品上。
- 插槽與開口供通風使用，以確保本產品的操作可靠並防止過熱，請勿堵塞或覆蓋開口。
- 請勿將本產品置放於靠近熱源的地方。除非有正常的通風，否則不可放在密閉位置中。
- 請不要私自打開機殼，不要嘗試自行維修本產品，請由授權的專業人士進行此項工作。

此為甲類資訊技術設備，于居住環境中使用時，可能會造成射頻擾動，在此種情況下，使用者會被要求採取某些適當的對策。

### 限用物質含有情況標示聲明書

產品元件名稱	限用物質及其化學符號					
	鉛 Pb	鎘 Cd	汞 Hg	六價鉻 CrVI	多溴聯 苯 PBB	多溴二苯醚 PBDE
PCB	○	○	○	○	○	○
外殼	○	○	○	○	○	○
備考 1. "超出 0.1 wt %" 及 "超出 0.01 wt %" 系指限用物質之百分比含量超出百分比含量基準值。						
備考 2. "○" 系指該項限用物質之百分比含量未超出百分比含量基準值。						
備考 3. "-" 系指該項限用物質為排除項目。						



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## **Safety Information**

- Keep the device away from water, fire, humidity or hot environments.
- Do not attempt to disassemble, repair, or modify the device.
- Do not use damaged charger or USB cable to charge the device.
- Do not use any other chargers than those recommended.

この装置は、クラスA情報技術装置です。この装置を家庭環境で使用すると電波妨害を引き起こすことがあります。この場合には使用者が適切な対策を講ずるよう要求されることがあります。 VCCI-A

## **EU declaration of conformity**

TP-Link hereby declares that the device is in compliance with the essential requirements and other relevant provisions of directives 2014/30/EU, 2014/35/EU, 2009/125/EC and 2011/65/EU.

The original EU declaration of conformity may be found at <http://www.tp-link.com/en/ce>