

# **TP-LINK®**

## **Installation Guide**

**TX432**

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

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## 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.

## 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.



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## Safety Information

- When product has power button, the power button is one of the way to shut off the product; When there is no power button, the only way to completely shut off power is to disconnect the product or the power adapter from the power source.
- Don't disassemble the product, or make repairs yourself. You run the risk of electric shock and voiding the limited warranty. If you need service, please contact us.
- Avoid water and wet locations.

# 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.

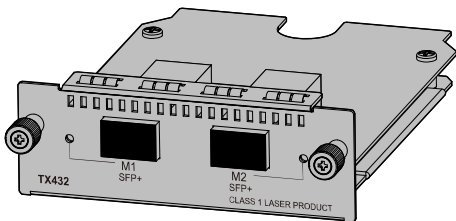


Figure 1-1 Appearance of TX432

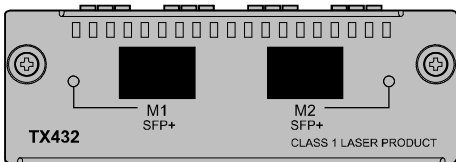


Figure 1-2 Front panel of TX432

## 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.

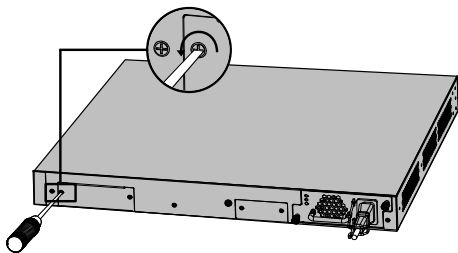


Figure 2-1 Install an interface card (1)

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

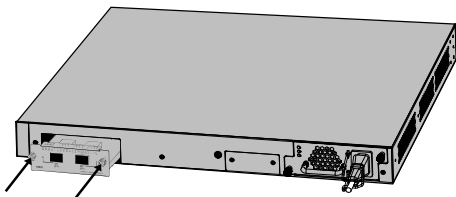


Figure 2-2 Install an interface card (2)

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~50°C (32°F~122°F)
Storage Temp	-40°C~70°C (-40°F~158°F)
Operating Humidity	10%~90% RH, Non-condensing
Storage Humidity	5%~90% RH, Non-condensing
Dimension	131*92*31mm

# Technical Support

- For more troubleshooting help, go to:  
<http://www.tp-link.com/en/support/faq>
- To download the latest Firmware, Driver, Utility and User Guide, go to:  
<http://www.tp-link.com/en/support/download>
- For all other technical support, please contact us by using the following details:
  - Global**  
Tel: +86 755 2650 4400  
Fee: Depending on rate of different carriers, IDD.  
E-mail: [support@tp-link.com](mailto:support@tp-link.com)  
Service time: 24hrs, 7 days a week
  - USA/Canada**  
Toll Free: +1 866 225 8139  
E-mail: [support.usa@tp-link.com](mailto:support.usa@tp-link.com)(USA)  
[support.ca@tp-link.com](mailto:support.ca@tp-link.com)(Canada)  
Service time: 24hrs, 7 days a week
  - Turkey**  
Tel: 0850 7244 488 (Turkish Service)  
Fee: Depending on rate of different carriers.  
E-mail: [support.tr@tp-link.com](mailto:support.tr@tp-link.com)  
Service time: 09:00 to 21:00, 7 days a week
  - Ukraine**  
Tel: 0800 505 508  
Fee: Free for Landline; Mobile: Depending on rate of different carriers  
E-mail: [support.ua@tp-link.com](mailto:support.ua@tp-link.com)  
Service time: Monday to Friday, 10:00 to 22:00
  - Brazil**  
Toll Free: 0800 608 9799 (Portuguese Service)  
E-mail: [suporte.br@tp-link.com](mailto:suporte.br@tp-link.com)  
Service time: Monday to Friday, 09:00 to 20:00; Saturday, 09:00 to 15:00
  - Indonesia**  
Tel: (+62) 021 6386 1936  
Fee: Depending on rate of different carriers.  
E-mail: [support.id@tp-link.com](mailto:support.id@tp-link.com)  
Service time: Sunday to Friday, 09:00 to 12:00, 13:00 to 18:00 \*Except public holidays
  - Australia/New Zealand**  
Tel: NZ 0800 87 5465 (Toll Free)  
AU 1300 87 5465 (Depending on 1300 policy)  
E-mail: [support.au@tp-link.com](mailto:support.au@tp-link.com) (Australia)  
[support.nz@tp-link.com](mailto:support.nz@tp-link.com) (New Zealand)  
Service time: 24hrs, 7 days a week
  - Germany/Austria**  
Tel: +49 1805 875 465 (German Service)  
+49 1805 TPLINK  
+43 820 820 360  
Fee: Landline from Germany: 0.14EUR/min.  
Landline from Austria: 0.20EUR/min.  
E-mail: [support.de@tp-link.com](mailto:support.de@tp-link.com)  
Service time: Monday to Friday, 09:00 to 12:30 and 13:30 to 18:00. GMT+1 or GMT+2 (DST in Germany) \*Except bank holidays in Hesse
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Tel: +65 6284 0493  
Fee: Depending on rate of different carriers.  
E-mail: [support.sg@tp-link.com](mailto:support.sg@tp-link.com)  
Service time: 24hrs, 7 days a week
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Tel: +44 (0) 845 147 0017  
Fee: Landline: 1p-10.5p/min, depending on the time of day. Mobile: 15p-40p/min, depending on your mobile network.  
E-mail: [support.uk@tp-link.com](mailto:support.uk@tp-link.com)  
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Fee: Depending on rate of different carriers.  
E-mail: [support.it@tp-link.com](mailto:support.it@tp-link.com)  
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Toll Free: 1300 88 875 465  
Email: [support.my@tp-link.com](mailto:support.my@tp-link.com)  
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Tel: +48 (0) 801 080 618  
+48 223 606 363 (if calls from mobile phone)  
Fee: Depending on rate of different carriers.  
E-mail: [support.pl@tp-link.com](mailto:support.pl@tp-link.com)  
Service time: Monday to Friday, 09:00 to 17:00. GMT+1 or GMT+2 (DST)
  - France**  
Tel: 0820 800 860 (French service)  
Fee: 0.118 EUR/min from France  
Email: [support.fr@tp-link.com](mailto:support.fr@tp-link.com)  
Service time: Monday to Friday, 09:00 to 18:00 \*Except French Bank holidays
  - Switzerland**  
Tel: +41 (0) 848 800 998 (German Service)  
Fee: 4-8 Rp/min, depending on rate of different time.  
E-mail: [support.ch@tp-link.com](mailto:support.ch@tp-link.com)  
Service time: Monday to Friday, 09:00 to 12:30 and 13:30 to 18:00. GMT+1 or GMT+2 (DST)
  - Russian Federation**  
Tel: 8 (499) 754 5560 (Moscow NO.)  
8 (800) 250 5560 (Toll-free within RF)  
E-mail: [support.ru@tp-link.com](mailto:support.ru@tp-link.com)  
Service time: From 09:00 to 21:00 (Moscow time) \*Except weekends and holidays in RF