Installation Guide

1000Base-BX WDM Bi-Directional SFP Module

TL-SM321A/TL-SM321B

For more information, please visit our website:
http://www.tp-link.com

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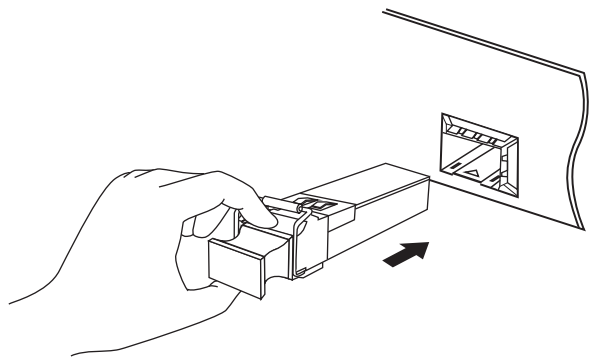
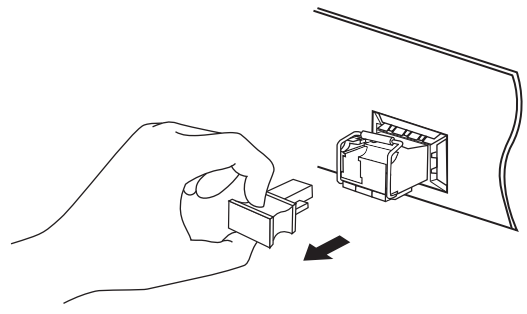
Install the SFP

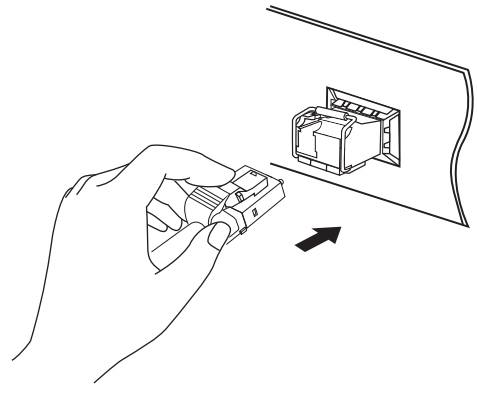
1. Wear an ESD-preventive wrist or ankle strap to prevent ESD damage to the transceiver.
2. Insert the SFP into the SFP slot and firmly press it into place.



3. Remove the protective dust plug from the SFP.

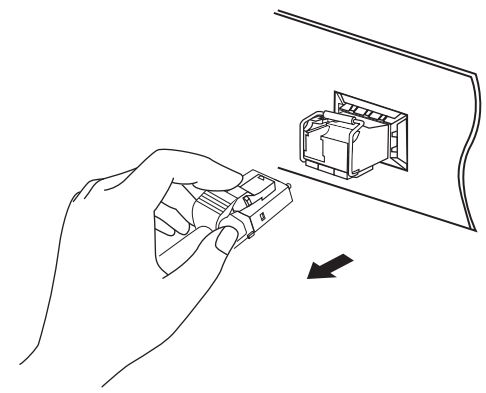


4. Plug a fiber-optic cable into the SFP. Note that the SFP works without any additional configuration.

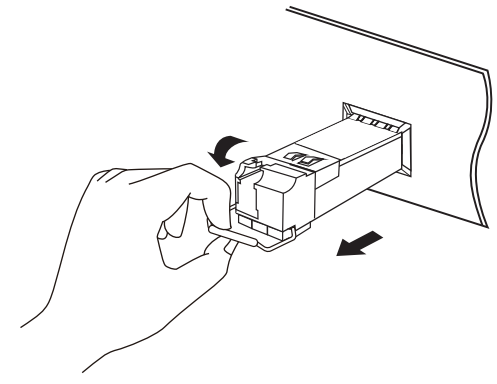


Remove the SFP

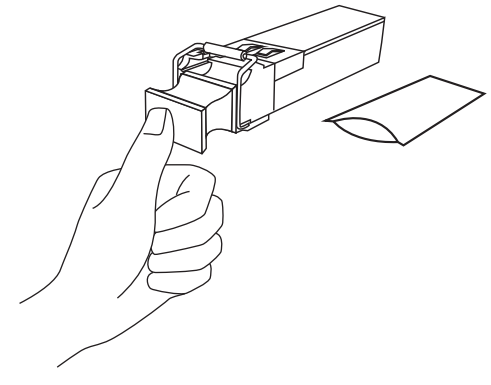
1. Wear an ESD-preventive wrist or ankle strap to prevent ESD damage to the transceiver.
2. Disconnect the network fiber-optic cable from the SFP.



3. Pull the safety latch downwards to release the SFP, and then pull it out from the slot.



4. Reinstall the protective dust plug in the SFP's optical bores and place it on antistatic mat or a static shielding bag.

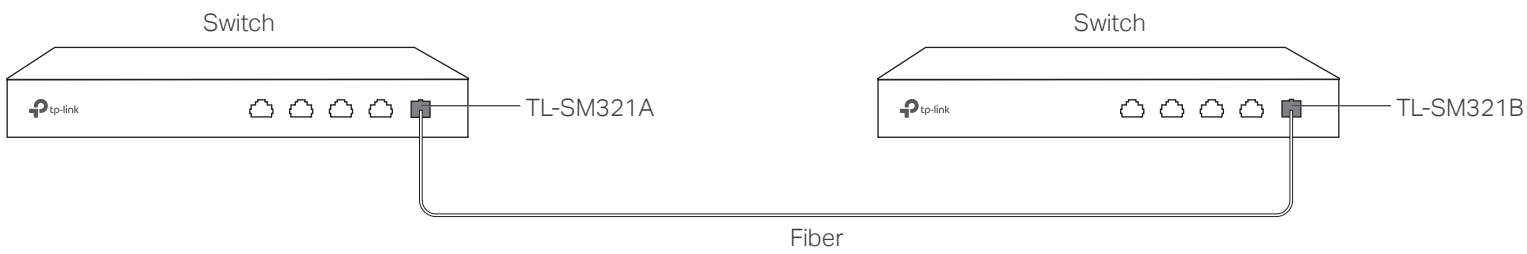


Note:
1. Do not touch the output pins on the transceiver with your hand.
2. Always keep the protective dust plug on the SFP's optical bores until you are ready to make a connection.

Caution:
DO NOT point or stare directly into the beam or into the optical port of the transceiver when it is operating, as this can injure your eyesight.

Connection

Please use only the TL-SM321A and TL-SM321B together for fast and reliable connectivity between switches.



Specifications

General Specifications

Normal	TL-SM321A	TL-SM321B
Wave Length	Tx: 1550nm Rx: 1310nm	Tx: 1310nm Rx: 1550nm
Standards and Protocols	IEEE 802.3z, CSMA/CD, TCP/IP	
Cable	Single-mode Fiber	
Fiber Type	9/125 um Single-mode	
Max. Cable Length	10km	
Data Rate	1.25Gbps	
Port Type	LC	
Power Support	3.3V	
Safety & Emission	FCC, CE	

Environmental and Physical Specifications

Operation Temperature	0˚C to 70˚C (32˚F to 158˚F)
Storage Temperature	-40˚C to 80˚C (-40˚F to 176˚F)
Operation Humidity	10% to 90% RH, Non-condensing
Storage Humidity	5% to 90% RH, Non-condensing

TP-Link Compatible Products

- TP-Link Switches with gigabit SFP Slots
- MC200L

Note:
The SFP modules may be incompatible with other vendors' devices. We recommend that you use only TP-Link SFP modules on your TP-Link devices.

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.

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.

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。

Продукт сертифіковано згідно с правилами системи УкрСЕПРО на відповідність вимогам нормативних документів та вимогам, що передбачені чинними законодавчими актами України.

SAFETY NOTICES

⚠ Cautions

Do not use this product near water, for example, in a wet basement or near a swimming pool.
Avoid using this product during an electrical storm. There may be a remote risk of electric shock from lightning.
Do not point or stare directly into the beam or into the optical port of the transceiver when it is operating, as this can injure your eyesight.

Industry Canada Statement

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

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

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.