



# Enlarge Your Ethernet Network

10/100Mbps WDM Media Converter with 1-Port PoE

## LED Explanation



**On:** Power on  
**Off:** Power off



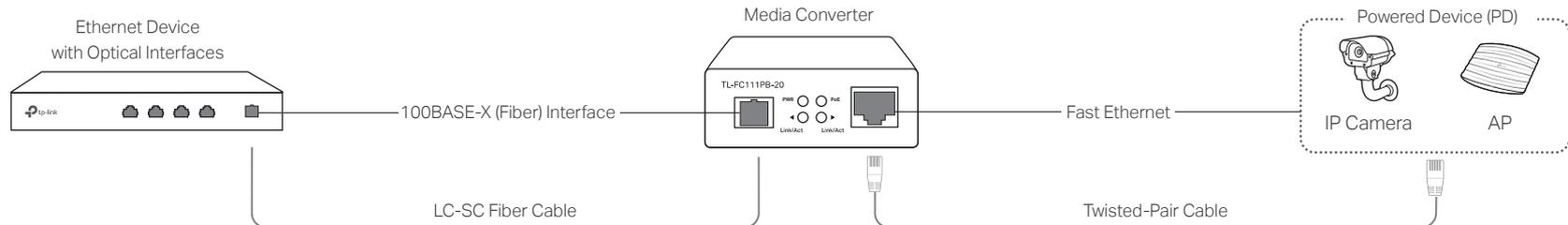
**On:** Valid link  
**Flashing:** Transmitting or receiving data  
**Off:** Invalid link



**On:** Supplying power normally  
**Flashing Slowly:** No PD is connected  
**Flashing Quickly:** Supplying power abnormally  
**Off:** No power supply

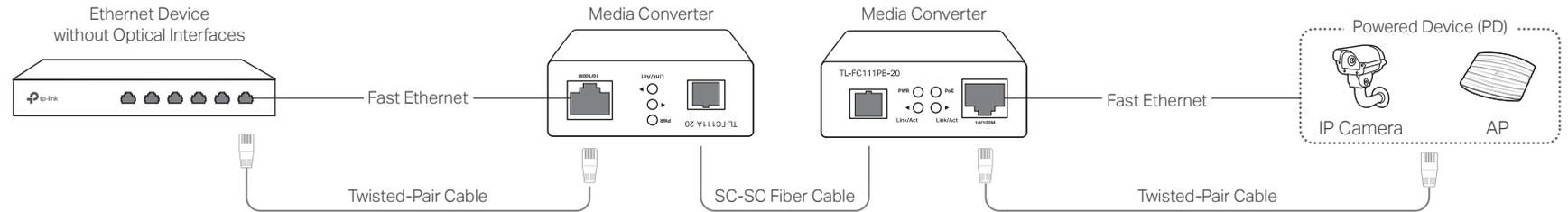
Package Contents: Converter, Power Adapter, Installation Guide

### Scenario 1: Connect Devices with Optical Interfaces



Note: The PoE Media Converter supplies steady power and data connectivity to a powered device such as PoE IP Camera and PoE AP through an Ethernet cable.

## Scenario 2: Connect Devices without Optical Interfaces



## Specifications

### General Specifications

Standards	IEEE 802.3, IEEE 802.3i, IEEE802.3u, IEEE802.3af
LED	PWR, Link/Act, PoE
Connector	1 SC fiber optic; 1 RJ45 jack
Twisted-Pair	10BASE-T: 2-pair UTP/STP of Cat. 3 or above ( $\leq 100$ m)
	100BASE-TX: 2-pair UTP/STP of Cat. 5 or above ( $\leq 100$ m)
	100BASE-BX10: SMF
Fiber	9/125 $\mu$ m single-mode fiber
Transmission Distance	$\leq 20$ km
Wavelength	1310 nm TX, 1550 nm RX
PoE	802.3af; up to 15.4 W for the PoE port
Power	External Power Adapter: 48 V/0.5 A
Dimensions	94.5*73*27 mm

### Environmental and Physical Specifications

Operating Temperature	0 °C to 50 °C (32 °F to 122 °F)
Storage Temperature	-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

 To ask questions, find answers, and communicate with TP-Link users or engineers, please visit <https://community.tp-link.com> to join TP-Link Community.

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

 If you have any suggestions or needs on the product guides, welcome to email [techwriter@tp-link.com.cn](mailto:techwriter@tp-link.com.cn).



### 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, 2011/65/EU and (EU)2015/863.

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

### Safety Information

- Keep the device away from water, fire, humidity or hot environments.
- Do not attempt to disassemble, repair, or modify the device. If you need service, please contact us.
- Do not use damaged charger or USB cable to charge the device.
- Do not use any other chargers than those recommended.
- Adapter shall be installed near the equipment and shall be easily accessible.
- Do not point or stare directly into the beam or into the optical part of the transceiver when it is operating, as this can injure your eyesight
- Use only power supplies which are provided by manufacturer and in the original packing of this product. If you have any questions, please don't hesitate to contact us.

Please read and follow the above safety information when operating the device. We cannot guarantee that no accidents or damage will occur due to improper use of the device. Please use this product with care and operate at your own risk.

## FCC compliance information statement

Product Name: 10/100Mbps WDM Media Converter with 1-Port PoE

Model Number: TL-FC111PB-20

Component Name	Model
I.T.E. POWER SUPPLY	T480050-2B1

Responsible party:

TP-Link USA Corporation, d/b/a TP-Link North America, Inc.

Address: 145 South State College Blvd. Suite 400, Brea, CA 92821

Website: <https://www.tp-link.com/us/>

Tel: +1 626 333 0234

Fax: +1 909 527 6803

E-mail: [sales.usa@tp-link.com](mailto:sales.usa@tp-link.com)

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.

We, **TP-Link USA Corporation**, has determined that the equipment shown as above has been shown to comply with the applicable technical standards, FCC part 15. There is no unauthorized change is made in the equipment and the equipment is properly maintained and operated.

Issue Date: 2020.12.1

## FCC compliance information statement

Product Name: I.T.E. POWER SUPPLY

Model Number: T480050-2B1

Responsible party:

TP-Link USA Corporation, d/b/a TP-Link North America, Inc.

Address: 145 South State College Blvd. Suite 400, Brea, CA 92821

Website: <https://www.tp-link.com/us/>

Tel: +1 626 333 0234

Fax: +1 909 527 6803

E-mail: [sales.usa@tp-link.com](mailto:sales.usa@tp-link.com)

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communication. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/ TV technician for help.

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.

We, **TP-Link USA Corporation**, has determined that the equipment shown as above has been shown to comply with the applicable technical standards, FCC part 15. There is no unauthorized change is made in the equipment and the equipment is properly maintained and operated.

Issue Date: 2020.9.24

## 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.

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

## Industry Canada Statement

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

### Canadian Compliance Statement

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:

(1) This device may not cause interference.

(2) This device must accept any interference, including interference that may cause undesired operation of the device.

L'émetteur/récepteur exempt de licence contenu dans le présent appareil est conforme aux CNR d'Innovation, Sciences et Développement économique 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'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。
- 請不要私自拆開機殼或自行維修，如產品有故障請與原廠或代理商聯繫。

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 Cr <sup>6+</sup>	多溴聯苯 PBB	多溴二苯醚 PBDE
PCB	○	○	○	○	○	○
外殼	○	○	○	○	○	○
電源供應器	-	○	○	○	○	○
其他及其配件	-	○	○	○	○	○

備考1. <sup>○</sup>超出0.1 wt %<sup>○</sup>及<sup>○</sup>超出0.01 wt %<sup>○</sup>係指限用物質之百分比含量超出百分比含量基準值  
Note 1: "Exceeding 0.1 wt %" and "exceeding 0.01 wt %" indicate that the percentage content of the restricted substance exceeds the reference percentage value of presence condition.

備考2. <sup>○</sup>係指該項限用物質之百分比含量未超出百分比含量基準值。  
Note 2: "○" indicates that the percentage content of the restricted substance does not exceed the percentage of reference value of presence.

備考3. <sup>-</sup>係指該項限用物質為排除項目。  
Note 3: The "-" indicates that the restricted substance corresponds to the exemption.

#### Explanation of the symbols on the product label

	Indoor use only
	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.
	Energy efficiency marking (level VI)
	Polarity of output terminals
	Class II equipment
	Caution
	Operator's manual