tp-link

Installation Guide

PoE Injector

LED Explanation
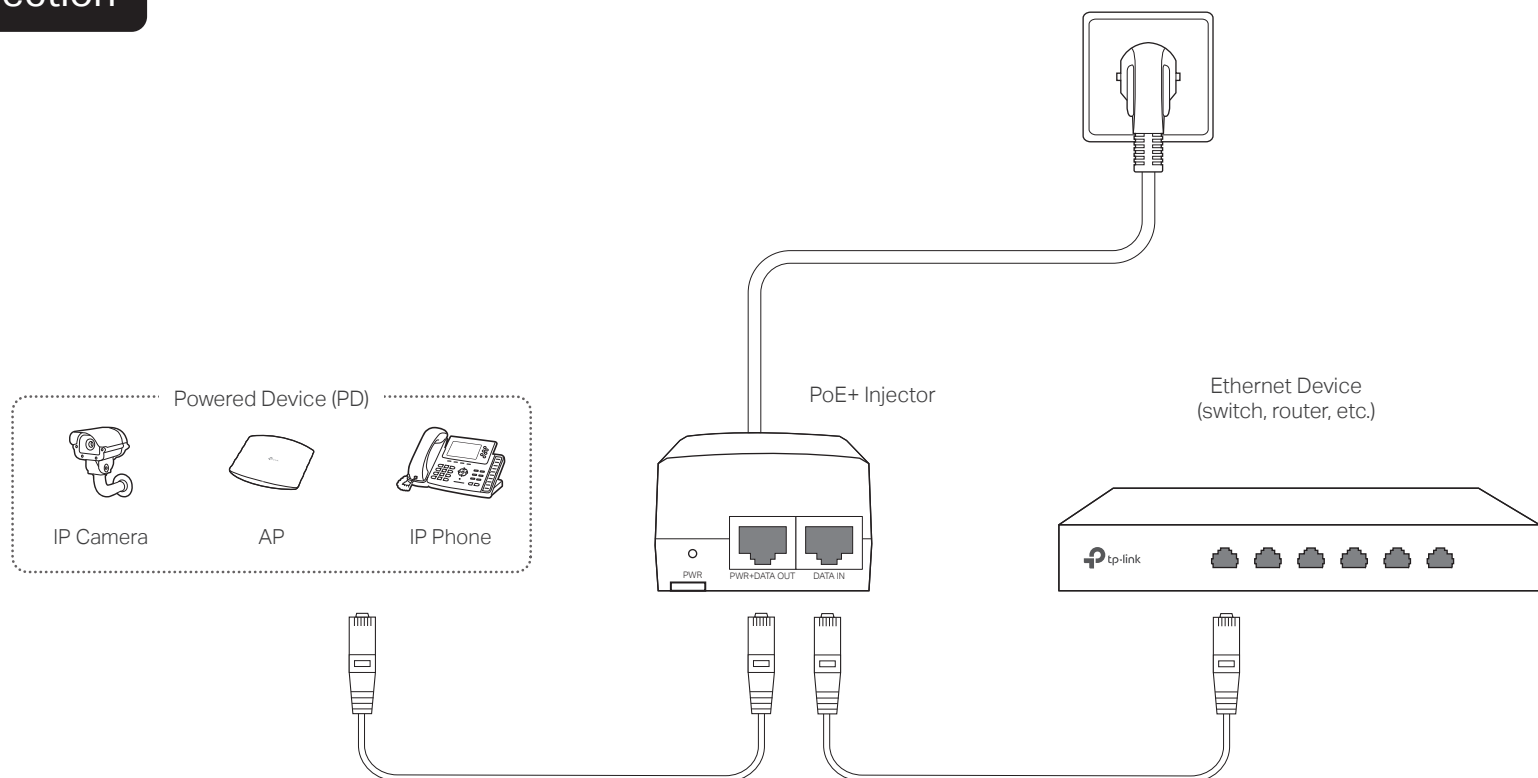
PWR

On: Power on
Off: Power off

PoE (Only for TL-POE170S)

On: Normal power supply
Off: No powered device connected
Flashing: Abnormal power supply

Note:

For simplicity, we will take TL-POE160S for example in this Guide.

Connection

Powered Device (PD)

IP Camera   AP   IP Phone

PoE+ Injector

PWR   PWR+DATA OUT   DATA IN

Ethernet Device
(switch, router, etc.)

Note:

1. The PoE Injector supplies steady power and data connectivity to a powered device such as PoE IP Camera, PoE AP and PoE IP Phone through an Ethernet cable.

2. For TL-POE170S, plug the product into the wall outlets with earthing connection through the power supply cord.

Specifications

General Specifications

Standards	IEEE 802.3i, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3af, IEEE 802.3at IEEE 802.3bt (Only for TL-POE170S)
LED	TL-POE160S: PWR TL-POE170S: PWR, PoE
Cable Type	UTP/STP of Cat. 5 or above (based on the standards that the connected devices comply with)
Ports	10/100/1000 Mbps RJ45 **DATA IN** Port 10/100/1000 Mbps RJ45 **PWR+DATA OUT** Port **AC 100–240 V 50/60 Hz** Power Input Port
Maximum Power Supply	TL-POE160S: 30 W TL-POE170S: 60 W
Dimensions (L×W×H)	TL-POE160S: 125×59.4×36.8 mm TL-POE170S: 154.7×70×42 mm
Wall Mountable	Yes
Distance Between Mounting Holes	TL-POE170S: 102 mm

Environmental and Physical Specifications

Operating Temperature	TL-POE160S: 0˚C to 40˚C (32˚F to 104˚F) TL-POE170S: 0˚C to 45˚C (32˚F to 113˚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

FAQ

Q1. Can the PoE injector supply power to a PoE device which doesn't have a gigabit PoE port?

A: Yes. All RJ45 ports of the PoE injector support 10/100/1000 Mbps.

Q2. What can I do if my PoE injector doesn't supply power to the powered device or the supplied power is unstable?

A1: Ensure the PD is PoE-compliant and its connecting port supports the PoE function.

A2: Ensure the power consumption of the PD doesn't exceed the maximum power supply of the PoE injector, otherwise the overload protection of the PoE injector will be activated. The quality and length of the Ethernet cable may influence the reception of the power supply.

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**.

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.
- The plug on the power supply cord is used as the disconnect device, the socket-outlet shall be easily accessible.

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.

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/support/ce.

TP-Link hereby declares that the device is in compliance with the essential requirements and other relevant provisions of the Electromagnetic Compatibility Regulations 2016 and Electrical Equipment (Safety) Regulations 2016.
The original UK Declaration of Conformity may be found at https://www.tp-link.com/support/ukca