

Installation Guide

PoE Injector

LED Explanation

For TL-PI30G/TL-PI30G-M2

PWR
Off: Power off
Steady Yellow: Power on, no PoE power supply
Steady Green: Power on, normal PoE power supply
Flashing Green: Abnormal PoE power supply

For TL-PI60G/TL-PI90X

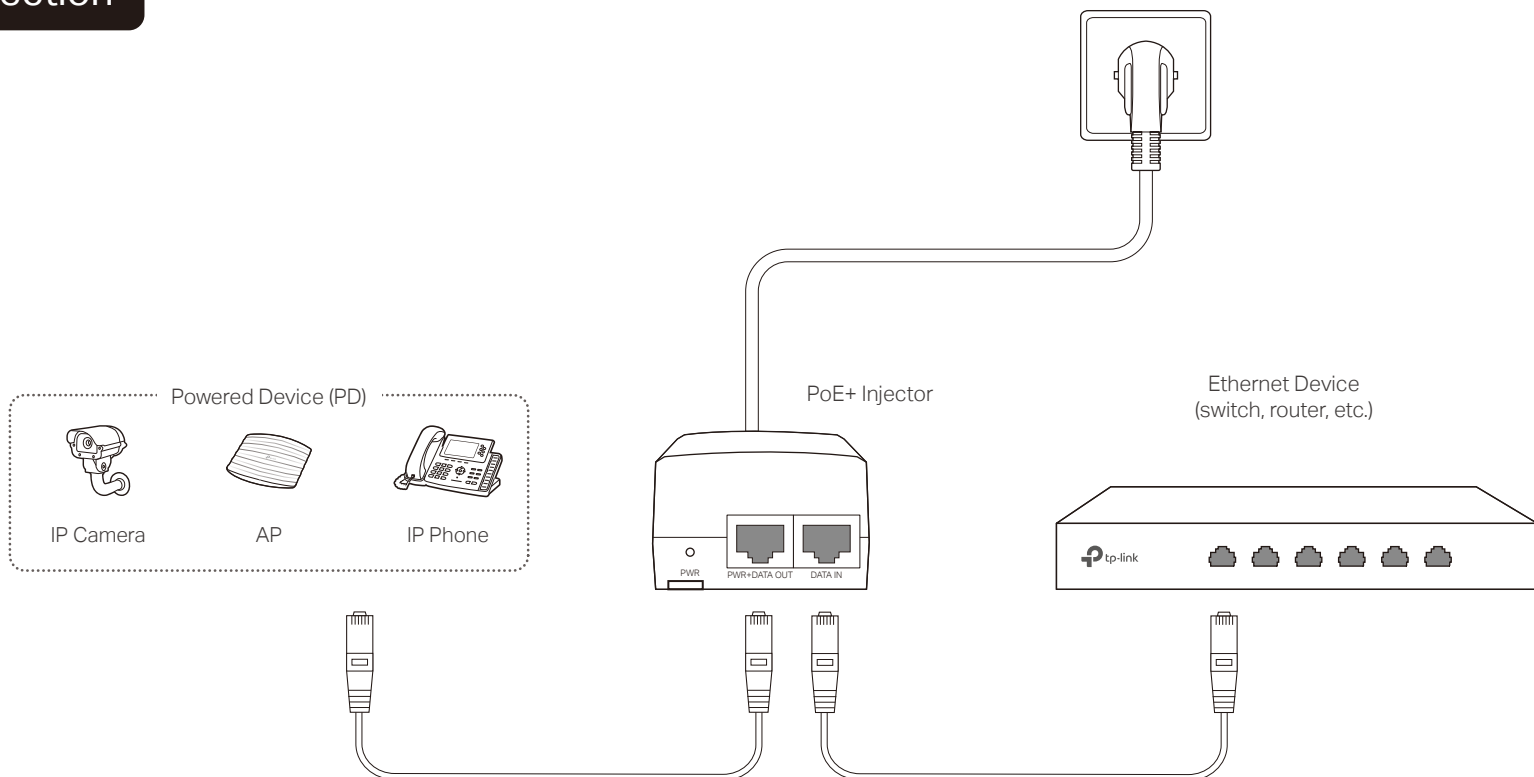
PWR
On: Power on
Off: Power off

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

Note:

For simplicity, we will take TL-PI30G for example in this Guide.

Connection



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-PI60G/TL-PI90X, 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-PI60G/TL-PI90X) IEEE 802.3bz (Only for TL-PI30G-M2)
LED	TL-PI30G/TL-PI30G-M2: PWR TL-PI60G/TL-PI90X: PWR, PoE
Cable Type	10Base-T/100Base-TX: UTP category 5 cable or above (max. 100 m) 1000Base-T/2.5GBase-T: UTP category 5e cable or above (max. 100 m) 5GBase-T: UTP category 5e cable or above (max. 100 m)(Only for TL-PI90X) 10GBase-T: UTP category 6a cable or above (max. 90 m)(Only for TL-PI90X)
Interfaces	TL-PI30G/TL-PI60G: 2 × 10Mbps/100Mbps/1Gbps RJ45 Ports TL-PI30G-M2: 2 × 10Mbps/100Mbps/1Gbps/2.5Gbps RJ45 Ports TL-PI90X: 2 × 10Mbps/100Mbps/1Gbps/2.5Gbps/5Gbps/10Gbps RJ45 Ports
Maximum Power Supply	TL-PI30G/TL-PI30G-M2: 30 W TL-PI60G: 60 W TL-PI90X: 90 W
Dimensions (L×W×H)	TL-PI30G/TL-PI30G-M2: 125×59.4×36.8 mm TL-PI60G/TL-PI90X: 154.7×70×42 mm
Wall Mountable	Yes
Distance Between Mounting Holes	TL-PI30G/TL-PI30G-M2: 115.7 mm (Vertical), 37.7 mm (Horizontal) TL-PI60G/TL-PI90X: 102 mm (Vertical)

Environmental and Physical Specifications

Operating Temperature	TL-PI30G/TL-PI30G-M2: 0 °C to 40 °C (32 °F to 104 °F) TL-PI60G/TL-PI90X: 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

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.
- Plug the product into the wall outlets with earthing connection through the power supply cord.
- The PoE ports shall not be used to charge lithium batteries or devices supplied by lithium batteries.

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.

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/business> to join TP-Link Community.

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



FCC FCC compliance information statement

Product Name: PoE Injector

Model Number: TL-PI30G/TL-PI60G/TL-PI30G-M2/TL-PI90X

Responsible party:

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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: 2024.5.9

Industry Canada Statement

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

Wall Mounting Requirements (for TL-PI60G/TL-PI90X)

To mount the device on a wall, use 2 screws which complies with ANSI B1.1 4#, (5#), 6# standard and are more than 7 mm in length. When the screws are fixed on the wall, the distance between the screw head and the wall should be more than 1.5 mm.

Explanation of the symbols on the product label

The Equipment marking is at the bottom of the device. Symbols may vary from products.

Symbol	Explanation
	Class II equipment
	Class II equipment with functional earthing
	Alternating current
	Direct current
	Polarity of d.c. power connector
	For indoor use only
	Dangerous voltage
	Caution, risk of electric shock
	Energy efficiency Marking
	Protective earth
	Earth
	Frame or chassis
	Functional earthing
	Caution, hot surface
	Caution
	Operator's manual
	Stand-by
	"ON"/"OFF" (push-push)
	Fuse
	Fuse is used in neutral N
	<p>RECYCLING</p> <p>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.</p> <p>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.</p>
	Caution, avoid listening at high volume levels for long periods
	Disconnection, all power plugs
m	Switch of mini-gap construction
μ	Switch of micro-gap construction (for US version) Switch of micro-gap /micro-disconnection construction (for other versions except US)
ε	Switch without contact gap (Semiconductor switching device)