

**Gigabit 4-Pair PoE 60W Injector**  
**QUICK INSTALLATION GUIDE**

## **FCC Certifications**



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 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, and (2) this device must accept any interference received; including interference that may cause undesired operation.

## **CE Mark Warning**



This equipment complies with the requirements relating to the EMC Directive 2014/30/EU, the Low Voltage Directive 2014/35/EU, and the RoHS Directive 2011/65/EU.

Company has an on-going policy of upgrading its products and it may be possible that information in this document is not up-to-date. Please check with your local distributors for the latest information. No part of this document can be copied or reproduced in any form without written consent from the company.

### **Trademarks:**

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### General Description

The Gigabit Ultra PoE+ Injector provides a maximum of up to 60-watt power and Gigabit data connection anywhere in your network infrastructure. This equipment injects DC power through CAT5 or CAT6 4 pair UTP cable, this increases flexibility in the positioning of a PoE enabled device by eliminating for a nearby power source. It supports the PoE+ (802.3af 15.4W & 802.3at 30W) standard and Ultra PoE+ 60W power to connected PD devices. It can easily connect the high-powered devices such as Wireless AP, Pan-Tilt-Zoom (PTZ) IP Cameras, Dome Cameras, Televisions, Interactive Display, Point of Sales (POS), Information Kiosks, Thin Client and other high power Ethernet end terminals with 60W of power.

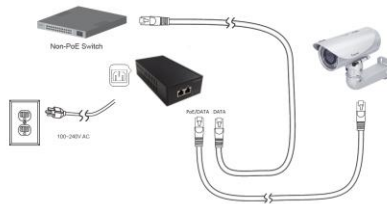
The device is plug-and-play without any software configuration. It supports 0°C~50°C operating temperature and metal housing design that more suitable for different environment application. The rich diagnostic LEDs on the front panel provide the PoE Link and PoE power budget limit status. Over current protection and circuit shorting protection are also supported to ensure the safety.

### Package Contents

*1 PoE Injector	*1 Power Cord
*1 Quick Installation Guide	*1 Pair Wall Mount
*4 pcs Rubber Foot	

## Installation

1. Connect the PoE port of the PoE Injector to the PoE port of PoE devices (PD, such as cameras, Wireless AP and so on) by twisted-pair cable.
2. Connect the other port of the PoE Injector to a passive hub or switch
3. Power on the PoE Injector with its power cord



### IMPORTANT

1. Use CAT 5 or 6 4-pair UTP cable
2. AC Input(100-240V/AC,50/60Hz,1.8A Max) support of 60W

### LED Indications

LED	Color	Function
POWER	Green	It indicates that PoE Injector has power
PoE	Green	It indicates that PoE Injector connects to PD
PoE Limit	Green	It indicates that the power of PD reaches 90% of PoE Injector's max. power output
	Blinking green then turn off	It indicates that the power of PD reaches the maximum power output of PoE Injector; then PoE Injector will shut down power supply function of PoE port automatically until it detects PD's power decrease.

## KEY FEATURES

- One port 10/100/1000 Base-T (Data) for connection to the Ethernet Switch
- One port 10/100/1000 Base-T Ultra PoE (Power/Data) for connection to the PoE device(PD)
- Automatic detects if the connected device is PoE enabled to avoid sending power to a non-PoE device
- Complies with IEEE802.3, 802.3u, 802.3ab, 802.3af, 802.3at standards
- Supports Ultra PoE 60W power delivery
- Supports 802.3af (15.4W) and 802.3at (30W) PoE Power Output.
- Supports one PoE Link and one PoE power budget limit LEDs
- Supports one GND screw
- Supports Full-Range (100-240VAC) Internal power supply
- No Fan, Natural cooling, Small size, no noise design
- MTBF : over 100,000hrs@25°C
- ESD IEC61000-4-2 Contact +/-4KV, Air +/-8KV
- EFT IEC61000-4-4 Power 2KV, LAN 1KV
- Surge IEC61000-4-5 Cable to Cable & Cable to GND Level3 2KV

### Product specification

<b>Standard</b>	IEEE802.3 IEEE802.3u IEEE802.3ab IEEE802.3af IEEE802.3at standards
<b>Interface</b>	1*Ultra PoE+10/100/1000Mbps RJ-45 port 1 * 10/100/1000Mbps RJ-45 port
<b>Dimension</b>	165 x 87 x 43 mm
<b>LED indications</b>	Power (Green) PoE Link (Green) PoE Limit (Green)
<b>Emission</b>	FCC, CE, VCCI Class B
<b>Safety</b>	LVD
<b>Power Consumption</b>	75W Max.
<b>Operating Temperature &amp; Humidity</b>	0°- 50°C; 10%-90% RH.
<b>Storage Temperature &amp; Humidity</b>	-20°- 70°C; 5%-90% RH.
<b>Power Supply</b>	Switching Power Supply +54V/75W, 100-240VAC input, 47/63Hz. Overload protection.