

**NBASE-T Gigabit 802.3bt
4-Pair PoE 90W Injector**

QUICK INSTALLATION GUIDE

FCC Statement



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.

Warning! 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.

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.

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General Description

The NBASE-T Gigabit 802.3bt 4-Pair PoE Injector provides a maximum of up to 90-watt power and 5GbE, 2.5GbE & Gigabit Ethernet 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 802.3bt 4-Pair PoE type 3 & type 4 45W-90W power to connected PD devices. It can easy connect the high-powered devices such as WiFi 6 AP, Pan-Tilt-Zoom (PTZ) IP Cameras, Dome Cameras, Interactive Display, Point of Sales (POS), Information Kiosks, Thin Client and other high power Ethernet end terminals with 71W of power.

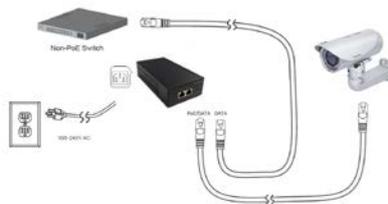
The device is plug-and-play without any software configuration. It supports 0 °C -50 °C operating temperature and metal housing design that more suitable for different environment application. Over current protection and circuit shorting protection are also supported to ensure the safety.

Package Contents

PoE Injector x 1
Power Cord x 1
Quick Installation Guide x1
Rubber Foot x 4
Wall Mount x 1

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, 5e for 2.5G, or CAT 6, 6a or above 4-pair UTP cable for 5G data transmission.
2. AC input (100-240V/AC, 50~60Hz, 1.8A Max) support of 90W.

LED Indications

LED	Color	Function
PWR	Green	It indicates that PoE Injector has power
PoE	Green	It indicates that PoE Injector connects to PD

KEY FEATURES

- One port 10/100/1000/2500/5000 Base-T (Data) for connection to the Ethernet Switch
- One port 10/100/1000/2500/5000 Base-T 4-Pair 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, 802.3bz, 802.3af, 802.3at, 802.3bt standards
- Supports 802.3bt 4-Pair PoE 90W power delivery
- Supports 802.3bt (90W/75W/60W/45W), 802.3at (30W), 802.3af (15W) PoE Power Output.
- Supports PoE type 1~4, Class 1~8. Fully class mode.
- Supports one Power & PoE Link LEDs
- Supports one GND screw
- Supports Full-Range (100~240VAC) Internal power supply
- No Fan, Natural cooling, Small size, no noise design
- ESD IEC61000-4-2 Contact +/-4KV, Air +/-8KV
- EFT IEC61000-4-4 Power 1KV, LAN 0.5KV
- Surge IEC61000-4-5 Cable to Cable & Cable to GND Level3 2KV

Product specification

Standard	IEEE802.3 IEEE802.3u IEEE802.3ab IEEE802.3bz IEEE802.3af IEEE802.3at IEEE802.3bt standards
Interface	1 x PoE/Data RJ-45 port 1 x Data RJ-45 port
Dimension	188 x 87 x 43 mm
LED indications	Power (Green) PoE Link (Green)
Emission	FCC, CE, VCCI Class B
Safety	LVD
Power Consumption	100W Max.
Operating Temperature & Humidity	0 ^o - 50 ^o C; 10%-90% RH.
Storage Temperature & Humidity	-20 ^o - 70 ^o C; 5%-95% RH.
Power Supply	Switching Power Supply +54V/120W, 100-240VAC input, 47-63Hz. Overload protection.