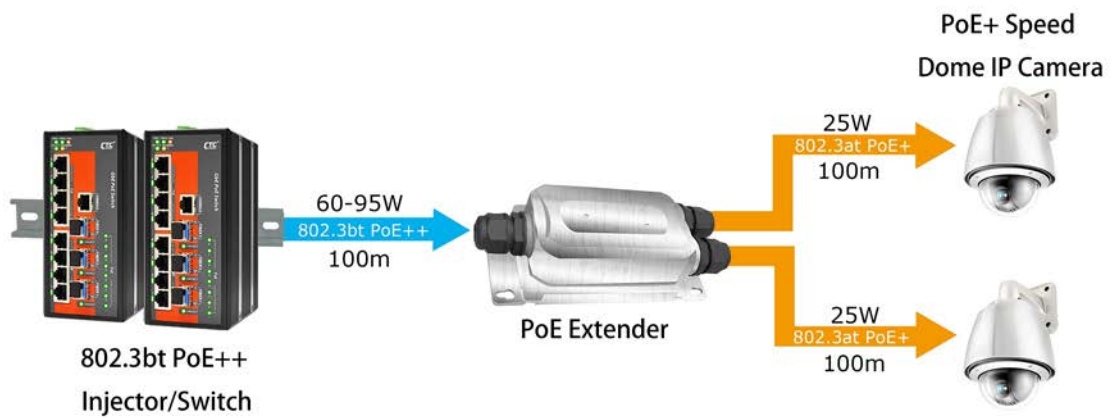


User Guide

IEXT-POE102

Industrial IP67 Waterproof POE LAN Extender



Package Contents

Check the following contents of your package:

- PoE Extender x 1
- User Guide x 1
- Accessories (3 water joints and 1 Grounding wire)

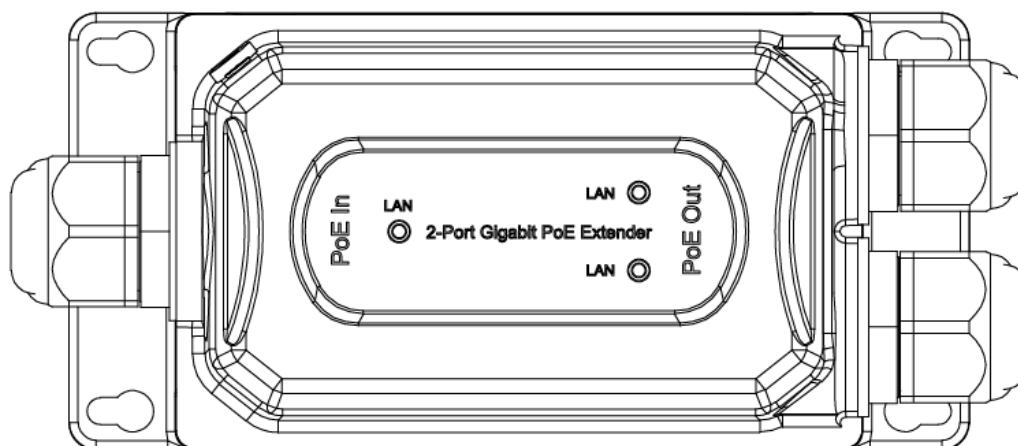
Introduction

IEXT-POE102 is a Gigabit IP67 waterproof PoE LAN Extender and supports one RJ45 (PD) input port 95W (IEEE802.3bt) to two PSE 30W output ports. No settings are needed. Just plug and play. It is rugged design for various harsh environments, high stability, reliability and wide range of operating temperatures. This POE LAN Extender does not need any power supply.

Hardware Description

Front Panel

The front panel composed by PSE output port, input port and relevant indicator, as shown below:

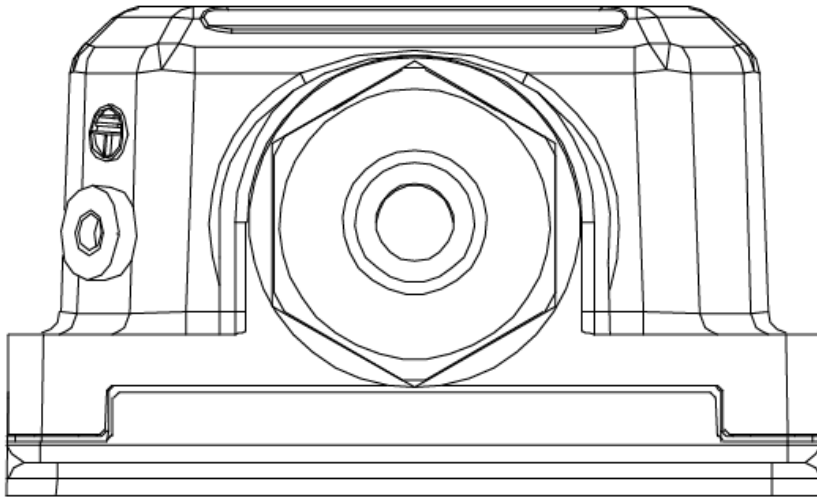


LED indicator

LED	Color	Function
LAN	Green	Off: No device is connected to the corresponding port ON: Indicates the link through that port is successfully established at 10/100/1000Mbps. Blinking: Transmitting data and power

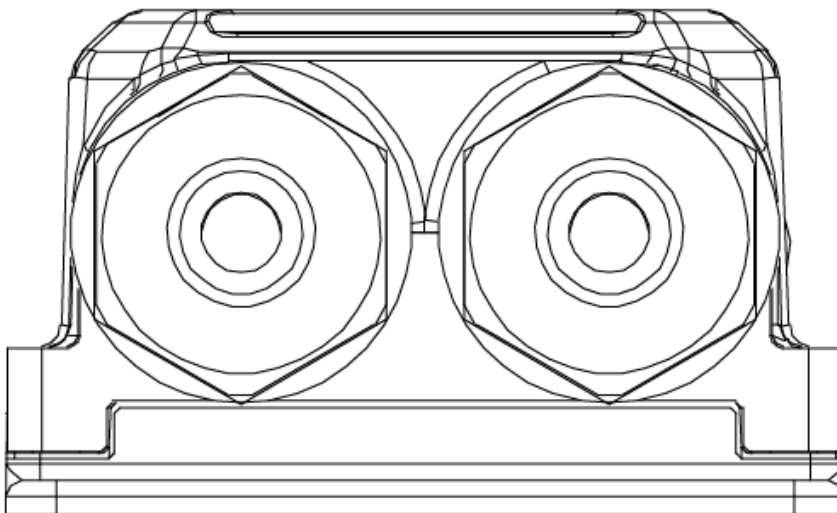
Left Panel

Schematic diagram of left panel: input port (PoE In) and grounding screw, Standard network Cate5 cable (line diameter 5.5mm).



Right Panel

Schematic diagram of right panel: the output port (PoE out) requires the use of standard network cate5 cable (Line diameter 5.5mm).



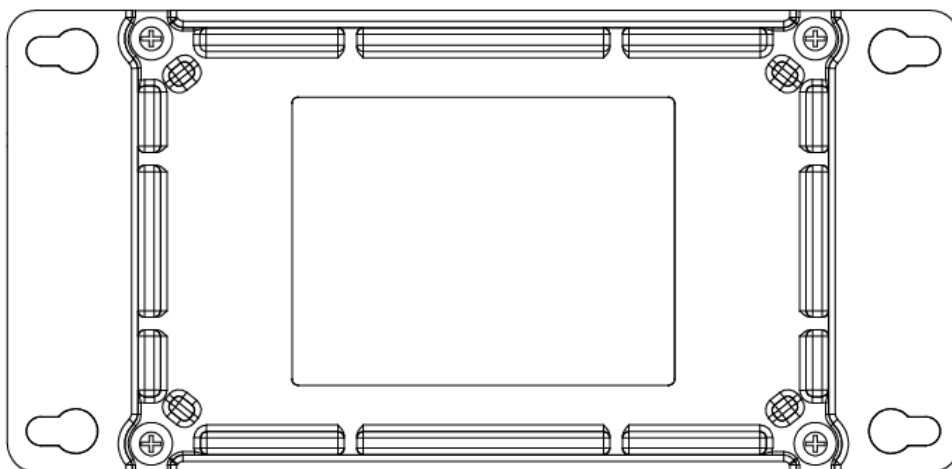
Installation

Please follow the following instructions to avoid incorrect installation and causing damages and security threats.

- The waterproof joint nuts should be tightened in full fit with the joint's thread and fit to the hexagon plane, otherwise it is easy to leak water and damage the device.
- Install this device on a stable pole or wall or inside a case or cabinet.
- Make sure that POE RJ45 Pin assignment is Alternative A mode.
- Do not open the chassis while the device is operating or when electrical hazards are present to avoid electrical shocks.

Desktop Installation

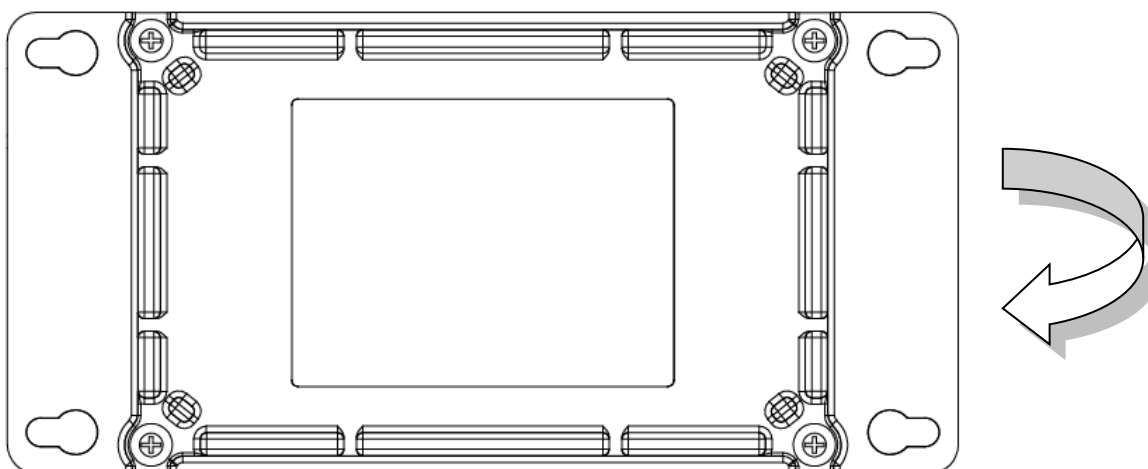
Install the machine on a desktop, place the machine carefully on the counter, the bottom is as follows:



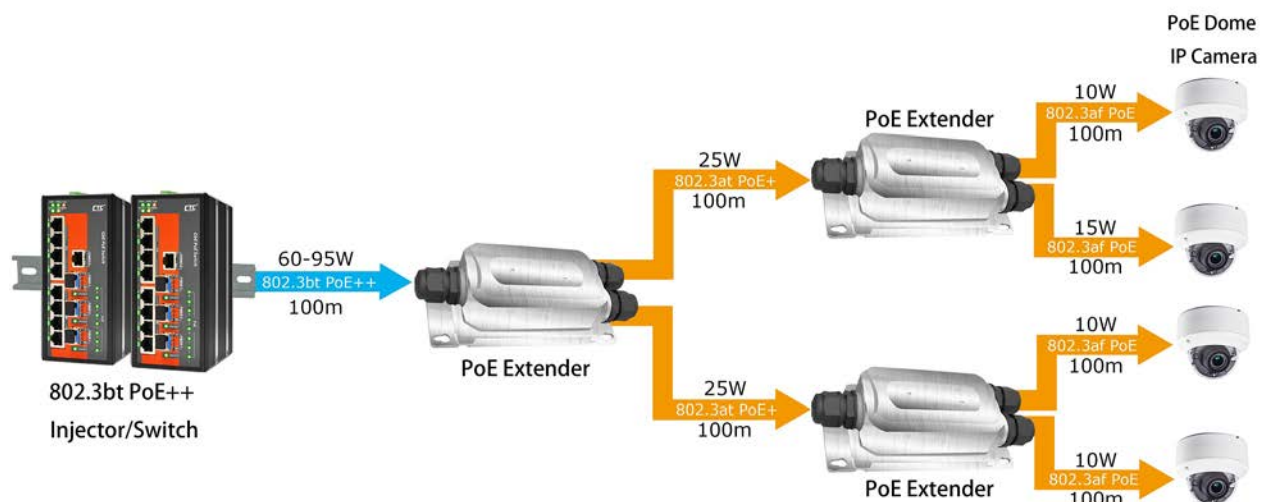
Wall-mounted installation

Please follow these steps to install the machine:

First fix the four screws on the wall (screw cap diameter recommended 5.5-6.5mm) and turn the machine upside down. Align the four fixing holes of the machine as shown below and hang the machine smoothly on the screws.



300-Meter LAN Application diagram:



Product Specifications

Model	IEXT-POE102
Standards	IEEE802.3, IEEE802.3u, IEEE802.3ab, IEEE802.3x, IEEE802.3af, IEEE802.3at, IEEE802.3bt
POE RJ45 Ports	PoE In Port: 1 x 10/100/1000Mbps RJ45 port PoE Out Port: 2 x 10/100/1000Mbps RJ45 ports
Network Cable	10BASE-T: UTP category 3,4, 5 cable (≤100m) 100BASE-TX: UTP category 5,5e cable (≤100m) 1000BASE-TX: UTP category 5e & 6e cable (≤100m)
LED	LAN
PoE Standards	IEEE802.3af/at/bt
Dimensions (L*W*H)	150 x 73 x 44MM
PoE RJ45 Pin Assignment Alternative A Mode	PoE In Port: Positive (V+): RJ45 Pin 1/2 & Negative (V-): RJ45 Pin 3/6 OR Positive (V+): RJ45 Pin 4/5 & Negative (V-): RJ45 Pin 7/8 PoE Out Port: Positive (V+): RJ45 Pin 1/2 & Negative (V-): RJ45 Pin 3/6
Power Supply	PoE
PD port input	95W Max
PoE Power Output	Per port 48-55VDC Max. 30W
Operating Temperature	-20°C ~ 60 °C
Storage Temperature	-40 °C ~ 80 °C
Operating Humidity	10% ~ 90% non-condensing
Storage Humidity	5% ~ 90% non-condensing
Surge Protection	Differential mode±4KV, Common mode±6KV
MTBF	>50000 hour
Electrostatic standard	Contact 6KV, air 8KV
Weather Rating	IP67
Vandal Proof	IK10



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