Petenet®
Power Supplies & PoE Switches

Quick Start Guide

90W Gigabit PoE++ Injector

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1 Features

This PSE101H+ is a compact and cost-effective single-port solution designed to transform standard AC power from 100~240V into low-voltage Dc, which is then transmitted over existing LAN cables. This enables the powering of network accessories compliant with IEEE802.3af, at and bt standards such as wireless LAN access points, IP security cameras, VoIP phones, and other devices in settings where few ports are needed. With the PoE Mid-spans, there's no requirement for an external power source or the AC/DC power wiring that comes with it, making it a streamlined, economical, and dependable option for delivering power across Ethernet infrastructure.
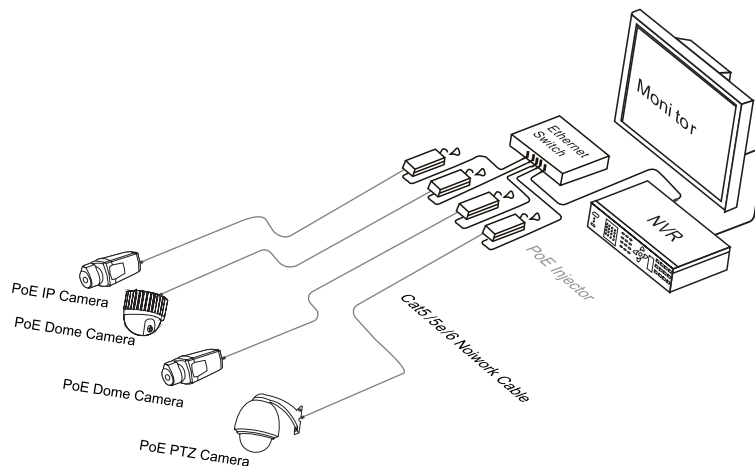
- Full IEEE 802.3af IEEE 802.3at,IEEE802.3bt Compliant.
- Up to 90Watts PoE budget.
- Auto-detect of POE IEEE 802.3af IEEE 802.3at,IEEE802.3bt equipment.
- Supports 10/100/1000Base-T applications.
- LED indicators power input indication.
- Distance up to 100 meters.
- Internal AC/DC converter – no need for external power modules.
- Easy plug-and-play installation.
- Surge protection.

⚠️ **Notice:** The transmission distance is related to the connected cable. Standard Cat5e/6 network cable and the quality of camera will help maximize the furthest distance possible.

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2 Product Introduction

Use PoE Injector with PD to expand your network to where there are no power lines or outlets, where you wist to fix devices such as Aps, IP Cameras or IP Phones, etc.
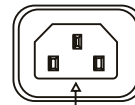

Installation Steps:
1) Use a CAT5 UTP cable to connect port of Ethernet device (network switch, router, etc.) to the Data IN port of PoE+ Injector.
2) Connect AC cable to Injector and power outlet.
3) Connect the P+Data OUT port to a PD (IP camera, access point, etc.) with CAT5 UTP cable.

3 Specifications

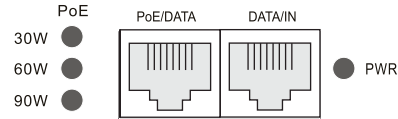| Item	Description
No. of channels	1
Pass Through Data Rates	10/100/1000 Mbps
Power over Ethernet Output	Pin Assignment and Polarity: 1/2(-)3/6(+),4/5(+)7/8(-) Output Power Voltage: 54VDC User Port Power: 90W MAX
Input Power Requirements	AC Input Voltage: 100 to 240 VAC AC Input Current: 1A 100-240 VAC AC Frequency: 50 to 60 Hz
Indicators	System Indicator: AC Power User Indicator: Channel Power 30W:When the output power is 0 to 30W, led lights up 60W:When the output power is 30 to 60W, led lights up 90W:When the output power is 60 to 90W, led lights up
Protection	Over current protection Over load protection Over voltage protection Anti-interference protection
Connectors	Shielded RJ-45, EIA 568A and 568B
Mounting	Wall of shelf
Environment	Indoor or Outdoor
Regulatory Compliance	IEEE 802.3af (15.4W) IEEE 802.3at (30W) IEEE 802.3bt (90W)
Environmental Conditions	Operating Ambient Temperature:0 to 45 ℃ Operating Humidity: Maximum 80%, Non-condensing Storage Temperature:-20 to 70℃ Storage Humidity: Maximum 80%, Non-condensing
Dimensions	178.5mm x 80mm x 46mm

Specification change will not be noticed

4 Hardware Description

INPUT 100-240VAC

AC socket,connect with AC cable.

802.3bt PoE++ Injector

PoE
30W
60W
90W

PoE/DATA   DATA/IN

PWR

PoE/DATA: Connect to the camera with UTP cable 5 to supply power

DATA IN: Connect to the Ethernet device with CAT5 UTP cable to transmit data. The port is recommended not to connect to non-standard PoE devices, which may damage the device.

PWR: Power LED, a steady green light indicates that the PoE injector has 100-240V power input

30W: When the output power is 0 to 30W, led lights up

60W: When the output power is 30 to 60W, led lights up

90W: When the output power is 60 to 90W, led lights up