

# POE-PD04S

10/100/1000M Gigabit PoE+ Splitter



## User's Guide

### FCC Certifications

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, 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 electromagnetic compatibility, EN 55022 class A for ITE, the essential protection requirement of Council Directive 89/336/EEC on the approximation of the laws of the Member States relating to electromagnetic compatibility.

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## Unpacking Information

Thank you for purchasing our PoE series products. Before installation, please check that your package contains the following items.

Open the shipping cartons of the splitter and carefully unpack its contents. The carton should contain the following items:

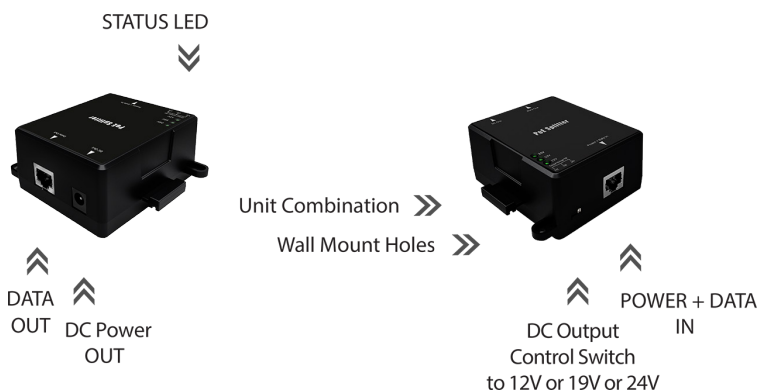
1. POE-PD04S Main Unit x 1

2. Inside diameter 2.1mm(PHY) to 2.1mm DC Cable x 1

3. Warranty Card x 1

4. Quick Installation Guide x 1

### Hardware Overview

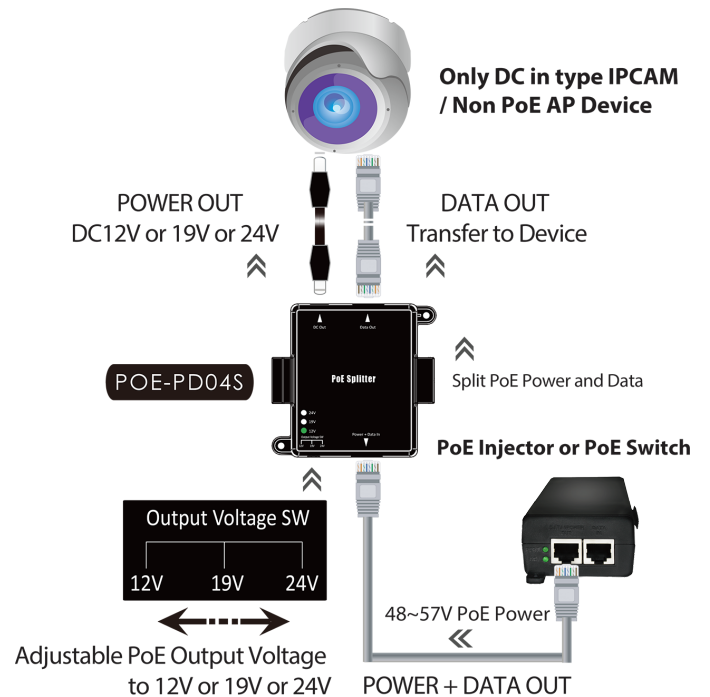


## Introduction

POE-PD04S is designed to run Gigabit speed PoE cables over long distances. This device splits the PoE signal into separate data and power sources and relays them into non-PoE devices. Supports DC output voltage 12V, 19V and 24V via DIP switch three range adjustable. Using the PoE Splitter, you can take Wireless AP / IP Cameras / VoIP Phone where power outlets are not readily available. It delivers Power over Ethernet to remote devices.

The PoE+ Splitter can be used to complement any 802.3at PoE+/802.3af PoE switch, Proprietary injector unit to provide small to medium-sized businesses with a complete end-to-end PoE solution.

## Product Application



## PoE Splitter for split Power & Data

### Highlight Features

- Complying with IEEE 802.3 10Base-T, IEEE 802.3u 100Base-TX, IEEE802.3ab 1000Base-T, IEEE-802.3at PoE+ / 802.3af PoE
- The IEEE802.3at/af PoE splitter can use to connect non-PoE IEEE802.3at /802.3af compliant devices to an PoE+ injector or PoE+ switch
- Supports Output Voltage hot switching for 12VDC / 19VDC / 24VDC three range adjustable
- Max Power Transmission : 27Watts for DC output
- Supports Ethernet PoE to Separate to only DC/Power and only Ethernet/Data.
- Bundle accessories for inside diameter 2.1 mm(PHY) to 2.1 (PHY) mm DC cable
- LED indicators for Power function enable and DC output voltage display of 12V/19V/24V
- Supports desktop or wall mounting installation and multiple units combination .

## Installation

### Before Installation

If the device is generally DC-receiving and does not support the POE function, the POE-PD04S can easily be used to accept POE source power and apply it separately from DC output power.

The POE-PD04S separates the power out and provides three kinds of DC power output through its DIP switch and its voltage and current shown as below:

### DIP Switch :

- 12 VDC / 2.25A (Max)
- 19 VDC / 1.42A (Max)
- 24 VDC / 1.125A (Max)



### Cables Installation

POE-PD04S provides a POE-powered solution for non-IEEE 802.3af/at devices.

The setup of the splitter can be performed using the following steps:

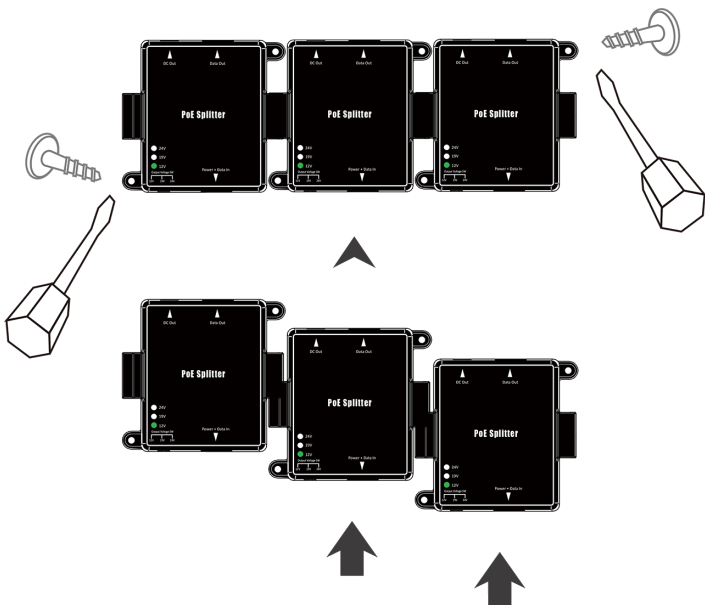
- Connect from "DATA OUT" of POE-PD04S to the RJ-45 port of the remote device.
- Make sure first power source that the POWER+DATA in Port of the splitter is fully connected to the 802.3at source-powered PoE Injector or PoE Switch.
- Connect the correct DC plug from "DC OUT" of POE-PD04S to the DC port of remote device. (Use a DC cable to connect devices that are to be powered by DC)

**Caution: Please ensure the output voltage is correct for remote device. Otherwise it will damage your remote device.**

- Power on the remote device and the LED for voltage status indicator on POE-PD04S will remains on.

### Units Combination

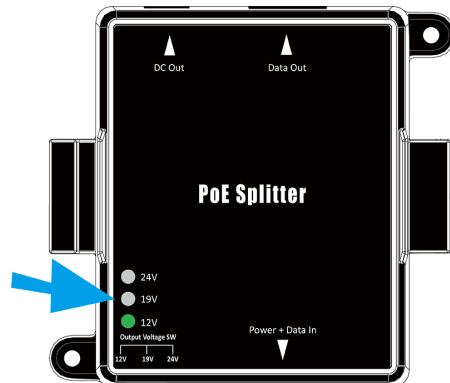
This device can be locked on the wall, **(Does not have screw attachment, you must prepare it yourself)** or it can be combined with multiple units for easy to bundles organize the Ethernet cables.



## LED Indicator :

Output power switching (12VDC / 19VDC / 24VDC)

LED indicators for Power function enable



LED Definition	LED Definition
	• DC 12V output: 12V Light on
	• DC 19V output: 19V Light on
	• DC 24V output: 24V Light on

## Product Specifications

Standards & Hardware Specifications	
<b>Standard</b>	IEEE802.3 10BASE-T IEEE802.3u 100BASE-TX IEEE 802.3ab 1000BASE-T IEEE802.3at Power over Ethernet (PoE+) IEEE802.3af Power over Ethernet (PoE)
<b>Network Media</b>	10BASE -T: UTP Cat. 3 or up 100BASE-TX : UTP Cat. 5 or up 1000BASE-T: UTP Cat. 5 or up
<b>Data Transfer Rate</b>	10/100/1000Mbps (Half-duplex), 20/200/2000Mbps (Full-duplex)
<b>Data PIN</b>	PIN 1/2, 3/6 & 4/5, 7/8
<b>Power PIN</b>	End-span (Type-A): PIN 1/2,3/6 ; Mid-span (Type-B): PIN 4/5,7/8
<b>Data In</b>	Connects PC/HUB/Switch
<b>Ethernet Connector</b>	RJ-45 x1 for Power + Data input RJ-45 x1 for Data output
<b>ESD Protection</b>	Over Voltage protection & Short Circuit Protection
Environmental & Mechanical Characteristics	
<b>Max Power Output</b>	27Watts
<b>Power Interface</b>	DC-Jack : Output to any none PoE 12V or 19V or 24V DC in device
<b>Power Requirement</b>	802.3af/at PoE Power Source
<b>PoE Input Voltage</b>	48V~57V
<b>DC Output Control Range</b>	12V/19V/24V three range adjustable by DIP switch
<b>DC Output Current</b>	Max 12V/2.25A , 19V/1.42A, 24V/1.125A
<b>LED Indicators</b>	DC Output LED x3 : 12V or 19V or 24V
<b>Operating Temperature</b>	0° to 55° C
<b>Storage Temperature</b>	-40° to 70° C
<b>Operating Humidity</b>	10% to 90% non-condensing
<b>Storage Humidity</b>	5% to 90% non-condensing
<b>Dimension</b>	80.5 x 80 x 39.5mm ( W x D x H )
<b>Unit Weight</b>	99.8g
<b>Case of Materials</b>	ABS
<b>Production Location</b>	TW Only
<b>Certification</b>	FCC, CE, RoHS-compliant