

1. Package Contents

Thank you for purchasing PLANET POE-172S Single-Port 10/100/1000Mbps Ultra PoE Splitter.

Model	LAN Port Speed	PoE Standard	DC Out
POE-172S	10/100/1000Mbps	IEEE 802.3at/PoH/UPoE	12V/19V/24V

Please unpack the box of the POE-172S carefully, and the box should contain the following items:

- ◆ Ultra PoE splitter
- ◆ User's manual
- ◆ DC plug cable
- ◆ 15cm RJ45 cable

If any of these are missing or damaged, please contact your dealer immediately.

2. Product Features

Interface

- 2 RJ45 interfaces
- 1-port **data + power** input
- 1-port **data output**
- 1-port DC plug-in
- 1 DC 12V/19V/24V DIP switch

Power over Ethernet

- Complies with ultra Power over Ethernet end-span/mid-span PSE
- Compatible with IEEE 802.3at 2-pair PoE/802.3at 4-pair PoE/PoH/UPoE

Power Consumption	<ul style="list-style-type: none"> ■ Ethernet full loading without DC output: 3.7 watts ■ Full loading with maximum 12V DC, 5A output: 75 watts
Operating Temperature	0 ~ 50 degrees C
Storage Temperature	-10 ~ 70 degrees C
Operating Humidity	5 ~ 90%, non-condensing
Storage Humidity	5 ~ 90%, non-condensing
Power over Ethernet	
PoE Standard	Power over HD-BASE-T, 4-pair 802.3at PoE+ and Cisco UPOE compliant with voltage within 50V-56V DC
Power Output	DC 12V/19V/24V by DIP switch control
DC Plug Connectors (Diameter)	2 external female plug cables: <ul style="list-style-type: none"> ■ 5.5/2.5mm to 5.5/2.5mm ■ 5.5/2.5mm to 5.5/2.1mm
PoE Power Supply Type	end-span + mid-span end-span mid-span
Power Pin Assignment	1/2 (+), 3/6 (-); 4/5 (+), 7/8 (-) or 1/2 (-), 3/6 (+); 4/5 (+), 7/8 (-)
Standards Conformance	
Standards Compliance	IEEE 802.3 10BASE-T Ethernet IEEE 802.3u 100BASE-TX Fast Ethernet IEEE 802.3ab 1000BASE-T Gigabit Ethernet IEEE 802.3at Power over Ethernet Plus IEEE 802.3af Power over Ethernet
Regulatory Compliance	FCC Part 15 Class A, CE

- Splits the PoE power over RJ45 Ethernet cable into DC 12V/19V/24V output
- Distance up to 100 meters

Hardware

- Metal case
- LED indicators for Power LED and PoE-in-use LED

3. Product Specifications

Product	POE-172S	
Hardware Specifications		
Interface	Ethernet	1 x RJ45 STP, Ethernet data output port
	PoE in	1 x RJ45 STP, PoE power input port
	Power socket	1 x DC plug-in
Network Cable	Ultra PoE (60W+)	4-pair UTP Cat. 5, 5e, 6, up to 100m (328ft)
	802.3af/at PoE (15W/30W)	2-pair UTP Cat. 3, 4, 5, up to 100m (328ft)
LED Indicators	System: Power x 1 (Green) PoE-in-use x 2 (Green)	
Data Rate	10/100/1000Mbps	
Dimensions (W x D x H)	94 x 70.3 x 26.2 mm	
Weight	300g	
Unit Output Current	56V, 75-watt PoE input <ul style="list-style-type: none"> ■ 5A@12V DC ■ 3.15A@19V DC ■ 2.5A@24V DC 	

4. Hardware Introduction

4.1 Product Outlook

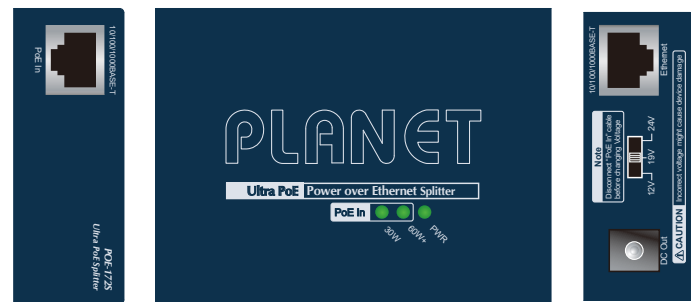


Figure 1: POE-172S Outlook

4.2 LED Indicators

LED	Color	Function
PWR	Green	Lights to indicate the ultra PoE splitter has power.
30W	Green	Lights to indicate the ultra PoE splitter is connecting to 2-pair/30W PoE power source.
60W+	Green	Lights to indicate the ultra PoE splitter is connecting to 4-pair/ultra PoE power source.

5. Hardware Installation

The following section describes the hardware features of POE-172S. Before connecting any network device to them, please read this chapter carefully.

Please refer to the following sections for detailed information about POE-172S.

5.1 Before Installation

Before installation, it is recommended to check your network environment. If there is difficulty in finding a power socket for AC-DC adapter of your non-PoE IEEE 802.3at networked device, the POE-172S provides you with a way out to supply DC power to this Ethernet device conveniently and easily.



Note

1. Please ensure the output voltage is correct for remote device. Otherwise, it will damage your remote device.
2. Don't change the DC-output voltage during operation. Otherwise, it will damage your POE-172S and remote device. If you want to change the DC-output voltage, please plug out the "PoE In" cable and wait for 5 seconds until the PWR LED is completely off.

5.2 The POE-172S Installation

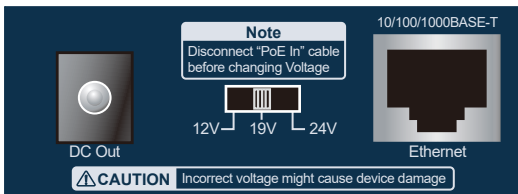


Note

Please turn off the POE-172S before you change the DC-output voltage.

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1. Select the right DC power output and connect DC plug from "**DC OUT**" of the POE-172S to remote device.



2. Connect standard UTP cable from "**Ethernet**" port of the POE-172S to remote device.
3. Connect standard UTP cable from "**PoE In**" port of the POE-172S to PoE switch/injector.



4. Power on the PoE switch/injector to enable the POE-172S and remote device to be powered.

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Single-Port 10/100/1000Mbps Ultra PoE Splitter

▶ POE-172S



6. Customer Support

Thank you for purchasing PLANET products. You can browse our online FAQ resource at the PLANET Web site first to check if it could solve your issue. If you need more support information, please contact PLANET support team.

PLANET online FAQs:

<http://www.planet.com.tw/en/support/faq.php?type=2>

Support team mail address:

support@planet.com.tw

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