1. Package Contents

Thank you for purchasing PLANET POE-173S Single-Port 10/100/1000Mbps 802.3bt PoE++ Splitter.

Model	LAN Port Speed	PoE Standard	DC Out
POE-173S	10/100/1000Mbps	IEEE 802.3at/bt	12V/19V/24V

Please unpack the box of the POE-173S carefully, and the box should contain the following items:

◆ 802.3bt PoE++ splitter x 1

◆ User's manual x 1

◆ 15cm RJ45 cable x 1

◆ 5.5/2.5mm to 5.5/2.5mm DC plug cable x 1

◆ 5.5/2.5mm to 5.5/2.1mm DC plug cable x 1

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 802.3bt Power over Ethernet Plus Plus PD

- Backward compatible with 802.3at PoE+ with up to 30-watt power output
- Splits the PoE power over RJ45 Ethernet cable into DC 12V/19V/24V output
- Distance up to 100 meters

Hardware

- Metal case
- All-in-one compact size design
- PoE usage level LED indicators
- Three-mode (12V/19V/24V) DC output DIP switch

3. Product Specifications

Product		POE-173S
Hardware Specifications		
Interface	Ethernet	1 x 10/100/1000BASE-T RJ45, Ethernet data output port
	PoE in	1 x 10/100/1000BASE-T RJ45, PoE power input port
	Power socket	1 x DC plug-in
DIP Switch		12V/19V/24V DC output
DC Socket		DC receptacle 2.5mm
LED Indicators		PoE in: 30W (Green) 60W (Green) 90W+ (Green)
Data Rate		10/100/1000Mbps

Dimensions (W x D x H)		94 x 70.3 x 39.2 mm
Weight		265g
Installation		Desktop/wall mountable/DIN-rail
Enclosure		Metal case
Power Requirements		48~56V DC PoE
Unit Output Current (at 56VDC Input)		**With 803.bt type 3 PoE++ input:** • 4.5A@12V DC • 2.8A@19V DC • 2.2A@24V DC **With 803.bt type 4 PoE++ input:** • 5A@12V DC • 3.15A@19V DC • 2.5A@24V DC
Power Consumption		**Ethernet full loading without DC output:** 6.5 watts **Full loading with maximum 12V DC, 5A output:** 70 watts
Network Cable	803.bt PoE (60W+)	4-pair UTP Cat. 5, 5e, 6 up to 100m (328ft)
	802.3at PoE (30W)	2-pair UTP Cat. 5, 5e, 6 up to 100m (328ft)
Power over Ethernet		
PoE Standard		802.3bt Type 3/4 Power over Ethernet 4-pair 802.3at PoE+ Compliant with voltage within 48-56V DC
Power Output		DC 12V/19V/24V by DIP switch control
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 802.3bt 4-pair Power over Ethernet Type 4
Regulatory Compliance	FCC, CE
Environment	
Operating Temperature	0~ 50 degrees C
Storage Temperature	-10~ 70 degrees C
Humidity	5 ~ 95% (non-condensing)

4. Hardware Introduction

4.1 Product Outlook



Figure 1: POE-173S Outlook

4.2 LED Indicators

LED	Color	Function
30W	Green	Lights to indicate the PoE splitter is connecting to 30W (or more) PoE power source.
60W	Green	Lights to indicate the PoE splitter is connecting to 60W (or more) PoE power source.
90W+	Green	Lights to indicate the PoE splitter is connecting to 90W (or more) PoE power source.

5. Hardware Installation

The following section describes the hardware features of the POE-173S. Before connecting any network device to them, please read this chapter carefully.

Please refer to the following sections for detailed information about the POE-173S.

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 802.3bt networked device, the POE-173S provides you with a way out to supply DC power to this Ethernet device conveniently and easily.

Note

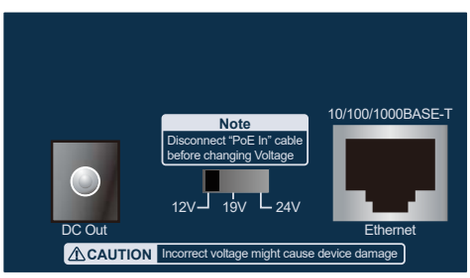
1. Please ensure the output voltage is correct for remote device. Otherwise, it will damage your remote device.
2. Don't change the DC-output voltage during operation. Otherwise, it will damage your POE-173S and remote device. If you want to change the DC-output voltage, please plug out the "PoE In" cable and wait for 5 seconds until the "PoE In" LEDs are completely off.

5.2 The POE-173S Installation

Note

Please turn off the POE-173S before you change the DC-output voltage.

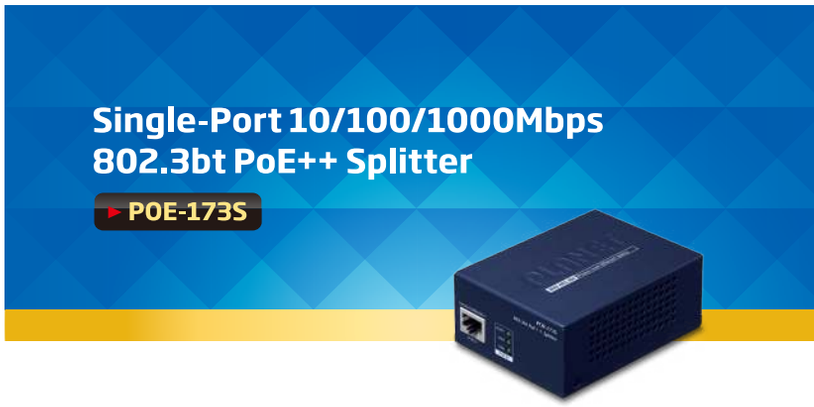
1. Select the right DC power output and connect DC plug from **"DC Out"** of the POE-173S to remote device.

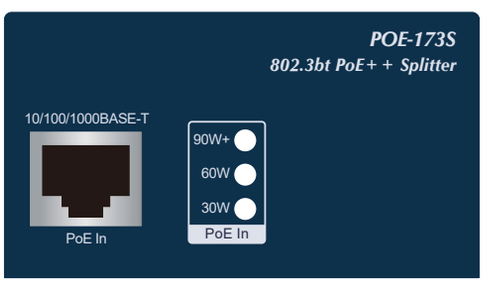


2. Connect standard UTP cable from **"Ethernet"** port of the POE-173S to remote device.
3. Connect standard UTP cable from **"PoE In"** port of the POE-173S to PoE switch/injector.

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4. Power on the PoE switch/injector to enable the POE-173S and remote device to be powered.

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 :
https://www.planet.com.tw/en/support/faq?method=category&c1=2

Support team mail address:
support@planet.com.tw

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Warning:
This device is compliant with Class A of CISPR 32.
In a residential environment this device may cause radio interference.

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