Single-Port 10/100/1000Mbps Ultra PoE Splitter (12V/19V/24V)



Quick and Easy Gigabit Ultra PoE Network Deployment

PLANET POE-172S Gigabit ultra Power over Ethernet splitter, meeting the IEEE 802.3at/af standard with 802.3bt ready, delivers the Ethernet digital data and ultra PoE power over the twisted-pair cables to network devices. It separates the digital data and the power into three optional outputs **(12V/19V/24V DC)** and supports a transmission distance of up to 100 meters.



The POE-172S, when working with PLANET 802.3bt Ultra PoE switches or Injectors offers more PoE applications to client devices, such as:

- **PoE PTZ speed dome camera**
- **Thin client**
- **AIO** (All-in-One) **touch PC**
- Remote digital signage display
- Network devices that need higher PoE power to work normally



Interface

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

Power over Ethernet

- Complies with ultra Power over Ethernet end-span / mid-span PSE
- Compatible with IEEE 802.3bt
- Backward compatible with 802.3at PoE+ with up to 30-watt power output
- Splits the PoE power over RJ45 Ethernet cable into 12V/19V/24V DC output
- Distance up to 100 meters

Hardware

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

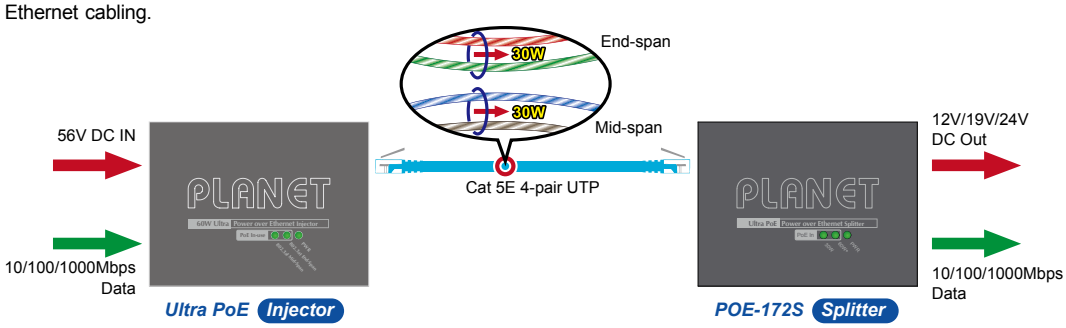
The POE-172S frees the network device deployment from restrictions due to power outlet locations, thus eliminating the costs for additional AC wiring and reducing the installation time.

Innovative, Selectable DC Power Output Voltage

Via the innovative 12V/19V/24V DIP switch on the front panel, the POE-172S can supply either 24V DC power to industrial equipment or 12V/19V DC output to the common network devices. It highly increases the flexibility of the product applications.

Ultra PoE Power over 4-pair UTP Cable

The POE-172S and 802.3bt Ultra PoE switches use cables that meet the IEEE 802.3bt/at/af standard. Instead of delivering power over 2-pair twisted UTP cable – be it end-span (Pins 1, 2, 3 and 6) or mid-span (Pins 4, 5, 7 and 8), they are able to transmit ultra PoE power and data by using all the four pairs of standard Cat5e/6 Ethernet cabling.



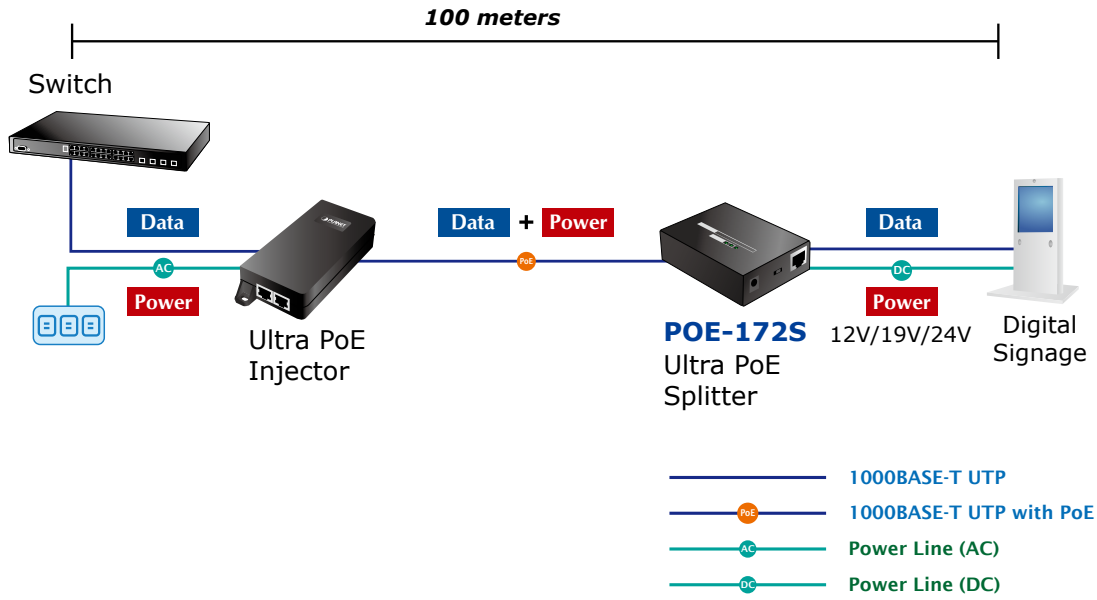
Environment-friendly

The POE-172S comes with a compact-sized metal housing, making the placement of the unit convenient. It features a ventilated construction in which a cooling fan is not necessary, thereby making its operation noiseless. Moreover, the POE-172S is able to operate reliably and stably without affecting its performance. The deployment of non-PoE equipment with constant power feeding can be easily and quickly done.

Applications

Ultra PoE Splitter and Injector Installation

For a place which is hard to find the power inlet, the POE-172S and PLANET 802.3bt Ultra PoE switches or injectors operate as a pair to provide the easiest way to power your Ethernet devices which need high power input. The POE-172S separates digital data and power into three optional outputs (12V/19V/24V DC) to non-PoE devices such as laptops, PTZ speed dome cameras, color touch-screen IP phones, multi-channel wireless LAN access points and other network devices at distance up to 100 meters.



Specifications

Product		POE-172S
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 Indicator		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
Installation		Desktop/wall mountable
Enclosure		Metal case
Power Requirements		50~56V DC PoE
Unit Output Current (at 56VDC Input)		75-watt PoE input ■ 5A@12V DC ■ 3.15A@19V DC ■ 2.5A@24V DC
Power Consumption		■ Ethernet full loading without DC output: 3.7 watts ■ Full loading with maximum 12V DC, 5A output: 75 watts
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)
Power over Ethernet		
PoE Standard		802.3bt Type 3/Type 4 Power over Ethernet 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
PoE Power Supply Type		End-span + Mid-span End-span Mid-span
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, CE
Environment		
Operating Temperature		0 ~ 50 degrees C
Storage Temperature		-10 ~ 70 degrees C
Operating Humidity		5 ~ 90%, non-condensing
Storage Humidity		5 ~ 90%, non-condensing
Standard Accessories		
Package Contents		One 15cm UTP straight network cable Two external female plug cables: ■ 5.5/2.5mm to 5.5/2.5mm ■ 5.5/2.5mm to 5.5/2.1mm

Ordering Information

POE-172S	Single-Port 10/100/1000Mbps Ultra PoE Splitter (12V/19V/24V)

Related Products

POE-172	Single-Port 10/100/1000Mbps Ultra PoE Injector (60W, internal PWR)
POE-173	Single-Port 10/100/1000Mbps Ultra PoE Injector (60W, all-in-one)
GS-4210-16UP4C	16-Port 10/100/1000T Ultra PoE + 4-Port Gigabit TP/SFP Combo Managed Switch
GS-4210-24UP4C	24-Port 10/100/1000T Ultra PoE + 4-Port Gigabit TP/SFP Combo Managed Switch
GSW-1222VUP	8-Port 10/100/1000T Ultra PoE + 2-Port 10/100/1000T + 2-Port 1000X SFP Gigabit Ethernet Switch with LCD PoE Monitor (380W)
IGS-5225-4UP1T2S	Industrial L2+ 4-Port 10/100/1000T Ultra PoE + 1-Port 10/100/1000T + 2-Port 100/1000X SFP Managed Switch
UPOE-800G	8-Port Gigabit 60W Ultra PoE Managed Injector Hub (400W)
UPOE-1600G	16-Port Gigabit 60W Ultra PoE Managed Injector Hub (600W)
UPOE-2400G	24-Port Gigabit 60W Ultra PoE Managed Injector Hub (800W)
GS-5220-16UP2XV	L2+ 16-Port 10/100/1000T Ultra PoE + 2-Port 10G SFP+ Managed Switch with LCD Touch Screen (400W)
GS-5220-16UP4S2X	L2+ 16-Port 10/100/1000T Ultra PoE + 4-Port 100/1000X SFP + 2-Port 10G SFP+ Managed Switch
GS-5220-24UP4X	L2+ 24-Port 10/100/1000T Ultra PoE + 4-Port 10G SFP+ Managed Switch
GS-5220-24UP4XV	L2+ 24-Port 10/100/1000T Ultra PoE + 4-Port 10G SFP+ Managed Switch with LCD touch screen
GS-5220-24UPL4X	L2+ 24-Port 10/100/1000T Ultra PoE + 4-Port 10G SFP+ Managed Switch
GS-5220-24UPL4XV	L2+ 24-Port 10/100/1000T Ultra PoE + 4-Port 10G SFP+ Managed Switch with LCD touch screen

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