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



Quick and Easy Gigabit High Power PoE Network Deployment

PLANET POE-171S Gigabit ultra Power over Ethernet splitter delivers the Ethernet digital data with DC 56V 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 transmission distance up to 100 meters. The POE-171S co-works with PLANET POE-171 (60-watt IEEE 802.3at PoE injector) to offer 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

The POE-171S frees the network device deployment from restrictions due to power outlet locations, which eliminates the costs for additional AC wiring and reduces the installation time.



Interface

- 2-Port RJ-45 interfaces
  - 1-Port **Data + Power input**
  - 1-Port **Data output**
- 1-Port DC output power socket
- 1 DC 12V/19V/24V DIP switch

Power over Ethernet

- Ultra Power over Ethernet End-Span / Mid-Span PSE
- IEEE 802.3at/af PoE standard compliant
- Compatible with All IEEE 802.3at/af Powered Devices
- Supports 56VDC, 50-watt PoE power output
- Splits the 56V DC power over RJ-45 Ethernet cable into DC 12V/19V/24V output
- Remote power feeding up to 100 meters

Hardware

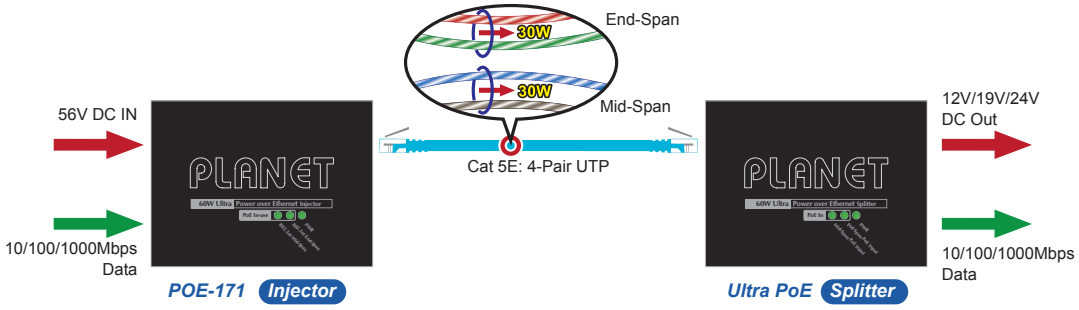
- Metal case
- All-in-one compact size design
- LED indicators for display of power and PoE input
- Three-mode DC output DIP switch for 12V/19V/24V

Standard Compliance

- IEEE 802.3 10Base-T
- IEEE 802.3u 100Base-TX
- IEEE 802.3ab 1000Base-T
- IEEE 802.3at High Power over Ethernet
- IEEE 802.3af Power over Ethernet
- FCC Part 15 Class A, CE

50 watts of Power over 4-Pair UTP

The **POE-171S** and POE-171 ultra PoE solution use cabling standard as IEEE 802.3at/af PoE. Instead of delivering power over 2-pair twisted UTP – be it End-span (Pin 1, 2, 3 and 6) or Mid-span (Pin 4, 5, 7 and 8), it provides the capability to source up to 50 watts of power by using all the four pairs of standard Cat5e/6 Ethernet cabling. In the new 4-pair system, two PSE controllers will be used to power both the data pairs and the spare pairs.



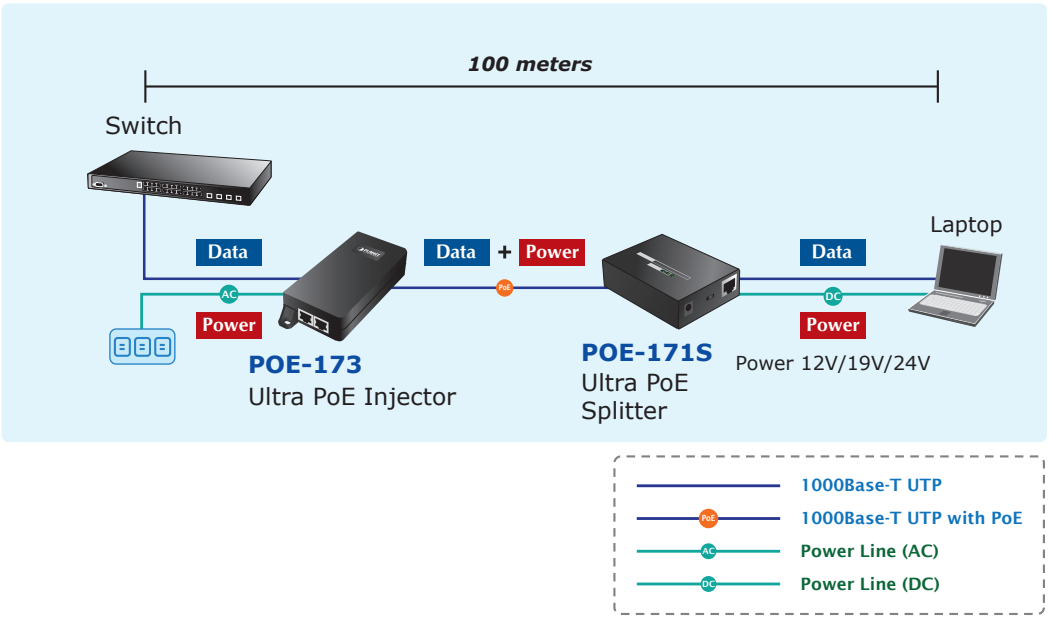
Cost-effective and Easy Cabling Installation

In the IEEE 802.3at Gigabit high Power over Ethernet devices installation, the system administrator only has to connect one single RJ-45 Ethernet cable to carry both power and data from an IEEE 802.3at/af PoE injector to the **POE-171S**, and then the POE-171S splits data and DC power to any of IP networking devices. Besides, to connect through IEEE 802.3at Power over Ethernet injector and the POE-171S, you can also have the benefits of cost saving, easy networking planning and higher reliability. Upon the completion of the installation of IEEE 802.3at compliant devices, the **POE-171S**, when functioning with the POE-171, can make the connection while migrating or splitting the power and the Ethernet digital packets to PTZ (Pan, Tilt & Zoom) and Speed Dome network cameras, color touch-screen IP phones, multi-channel wireless LAN access points and other network devices that need 50-watt high power to work normally.

Application

Ultra PoE Splitter and Injector Installation

For a place which is hard to find the power inlet, the POE-171S and PLANET Ultra PoE Injector - POE-171 or POE-173, operate as a pair to provide the easiest way to power your Ethernet devices which need high power input. The POE-171S separates digital data and power into three optional outputs **(12V/19V/24V DC)** to non-PoE devices such as laptops, PTZ (Pan, Tilt & Zoom) network cameras, 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		Single-Port 10/100/1000Mbps Ultra PoE Splitter (12V/19V/24V)
Product		POE-171S
Hardware Specifications		
Interface	Input Port	1 x RJ-45 STP PoE (Data + Power) In
	Output Port	1 x RJ-45 STP Data Out
	DC Socket	DC Out
	DIP-Switch	12V DC/19V DC/24V DC output voltage
LED Indicator		Power x 1 (Green)
Network Cable	Ultra PoE (50W)	10/100/1000Base-T: 4-Pair UTP Cat. 5e, 6 up to 100m (328ft)
	802.3af / at PoE (15W / 30W)	10/100/1000Base-T: 2-Pair UTP Cat. 3, 5, 5e, 6 up to 100m (328ft)
Data Rate		10/100/1000Mbps
Dimensions (W x D x H)		95 x 70 x 26 mm
Weight		300g
Power Requirements		52 ~ 56V DC
Power Consumption		50 watts (maximum)
Operating Temperature		0 ~ 50 degrees C
Storage Temperature		-10 ~ 70 degrees C
Humidity		5 ~ 95% (Non-condensing)
Power over Ethernet		
PoE Standard		IEEE 802.3at High Power over Ethernet
Power Output		DC 12V/19V/24V by DIP switch control
PoE Power Supply Type		End-Span + Mid-Span
Power Pin Assignment		Pair 1: 1/2(-), 3/6(+) Pair 2: 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 High Power over Ethernet IEEE 802.3af Power over Ethernet
Regulation Compliance		FCC Part 15 Class A, CE

Ordering Information

POE-171S	Single-Port 10/100/1000Mbps Ultra PoE Splitter (12V/19V/24V)

Related Products

POE-171	Single-Port 10/100/1000Mbps Ultra PoE Injector (60 Watts)
POE-173	Single-Port 10/100/1000Mbps Ultra PoE Injector (60 Watts, all-in-one)

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