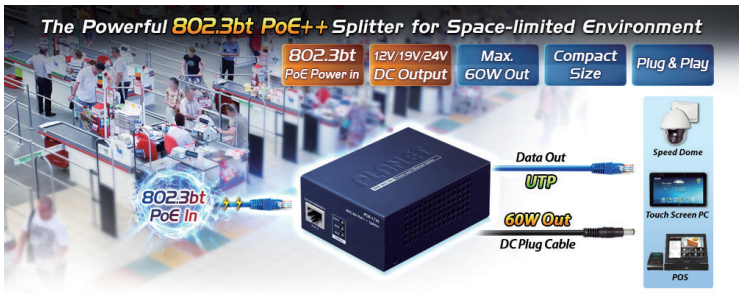
Single-Port 10/100/1000Mbps 802.3bt PoE++ Splitter



Quick and Easy Gigabit 802.3bt PoE++ Network Deployment

PLANET POE-173S Gigabit **802.3bt** Power over Ethernet splitter, which delivers the Ethernet digital data and PoE power from an 802.3bt type-4 PoE++ PSE (power source equipment) over an UTP cable, comes with a selectable **12V, 19V or 24V** DC DIP switch, enabling to deliver a maximum of **60-watt** power output to a non-PoE powered Ethernet device. It supports passive 10/100/1000Mbps Ethernet connection and distance up to 100 meters.



The POE-173S, when working with PLANET 802.3bt type-4 PoE++ switches or injectors, offers more network applications to client devices, such as:

- **PTZ speed dome camera**
- **Thin client**
- **AIO** (All-in-One) **touch PC**
- Remote digital signage display
- Non-PoE network devices that need higher 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 802.3bt Power over Ethernet end-span / mid-span PSE
- Compatible with IEEE 802.3bt PoE++
- 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 indicator for PoE in
- Three-mode (12V/19V/24V) DC output DIP switch
- Supports high Surge/ESD protection
- Desktop, wall-mount or DIN-rail (optional) design

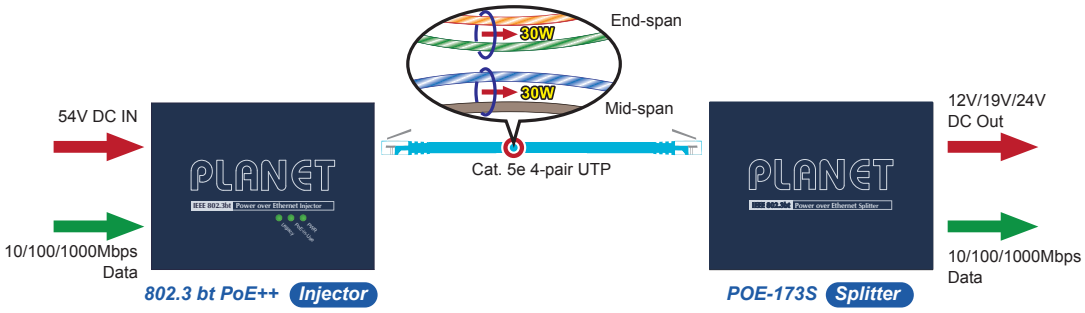
The POE-173S frees the network device deployment from restrictions of power outlet locations, thus eliminating the costs for additional AC wiring and reducing the installation time.

Innovative, Selectable DC Power Output Voltage

Via the innovative 12V/19V/24V DIP switch on the front panel, the POE-173S 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.

802.3bt PoE++ Power over 4-pair UTP Cable

The POE-173S and 802.3bt type-4 PoE++ switches use cables that meet the IEEE 802.3bt 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 Cat. 5e/6 Ethernet cabling.



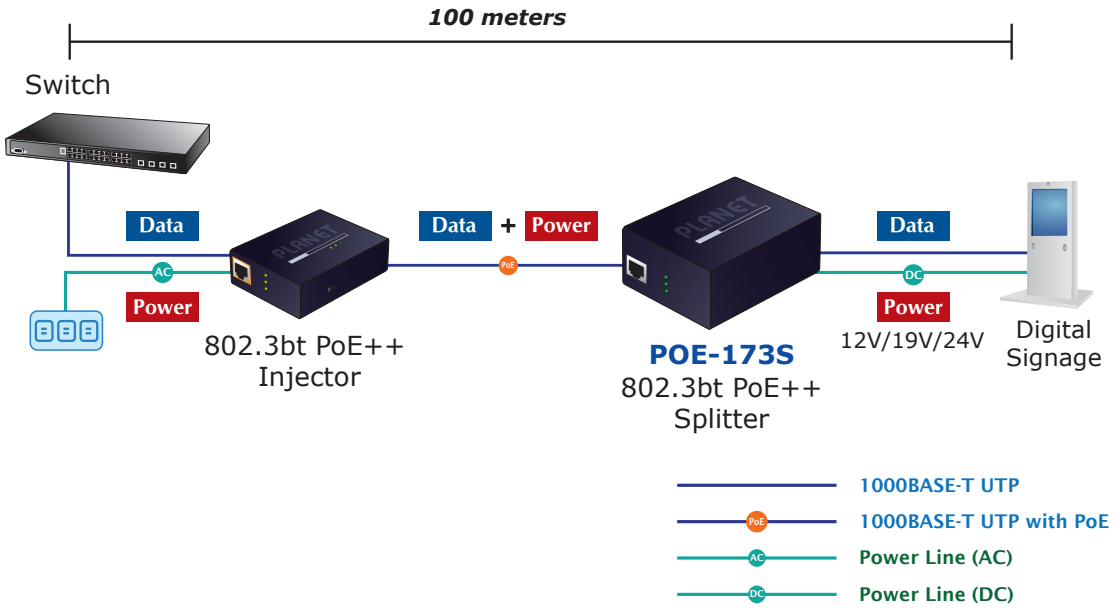
Environment-friendly Structure

The POE-173S 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-173S 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

802.3bt PoE++ Splitter and Injector Installation

For a place which is hard to find the power inlet, the POE-173S and PLANET 802.3bt 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-173S 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-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 (optional)
ESD Protection		4KV
EFT Protection		4KV
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		**System on:** 6 watts **Ethernet full loading without DC output:** 6.5 watts **Ethernet 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 Specifications		
Operating Temperature		0~ 50 degrees C
Storage Temperature		-10~ 70 degrees C
Humidity		5 ~ 95% (non-condensing)

Standard Accessories	
Package Contents	POE-173S x 1 User's manual x 1 15cm UTP straight network cable x 1 External female plug cables x 2: ■ 5.5/2.5mm to 5.5/2.5mm ■ 5.5/2.5mm to 5.5/2.1mm

Ordering Information

POE-173S	Single-Port 10/100/1000Mbps 802.3bt PoE++ Splitter

Related Products

POE-171A-60	Single-Port Multi-Gigabit 802.3bt PoE++ Injector (60 Watts)
POE-171A-95	Single-Port 10/100/1000Mbps 802.3bt PoE Injector (95 Watts)
POE-175-95	Single-Port 10/100/1000Mbps 802.3bt PoE++ Injector
GS-5220-8UP2T2X	Layer 3 8-Port 10/100/1000T 802.3bt PoE + 2-Port 10/100/1000T + 2-Port 10G SFP+ Managed Switch
IPOE-173S	Industrial Single-Port 10/100/1000Mbps 802.3bt PoE++ Splitter

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