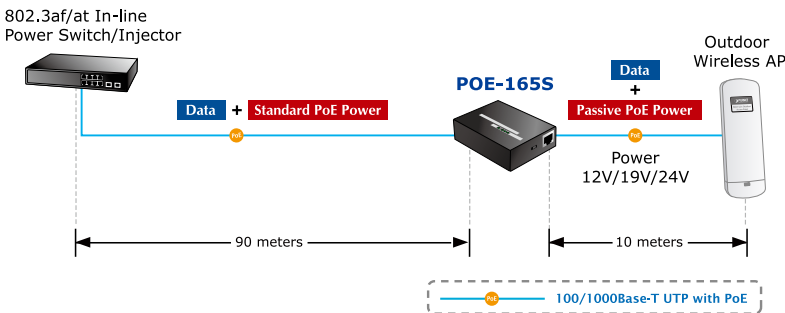


# IEEE 802.3af/at to Passive PoE Power Converter (12V/19V/24V)



### Simplify Internet Usage with Passive PoE Converter

PLANET POE-165S IEEE 802.3af/at to Passive PoE Converter convert a standard IEEE 802.3af/at PoE input powered device to 12V/19V/24V passive PoE power output device, designed to solve the issue of the difficulty in finding power outlets in outdoor places. Being able to operate under wide temperature range from -40 to 75 degrees C, the POE-165S can be placed in almost any difficult environment. The POE-165S is suitable for either DIN rail or wall mounting for the efficient use of cabinet space.



### Innovative Selectable DC Power Output Voltage

Via the innovative 12/19/24 volt DIP switch, the POE-165S can supply 12V/19V/24V DC power to the network devices, such as outdoor wireless access point. It highly increases the flexibility of the product applications.



### Interface

- 2-Port 10/100/1000Mbps RJ-45 interfaces
  - 1-Port Data + Power output
  - 1-Port Data + 802.3af/at Power input

### Standard Power over Ethernet Input Port

- Complies with IEEE 802.3af/at Power over Ethernet PD

### Passive Power over Ethernet Output Port

- Non-IEEE 802.3af/at injector port
- 1 DC 12V/19V/24V DIP switch
- Power Output Pin: 4/5(+), 7/8(-)

### Hardware

- Metal case
- LED indicators for PoE-In LED and 12V/19V/24V Output Voltage LED

### 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

### Easy Centralized Power Management

As the POE-165S can obtain power from IEEE 802.3af/at PoE switch/injector and supply the power to the remote device by passive PoE port, network administrator can remotely power off/on the remote device by the managed PoE switch/injector through the POE-165S.

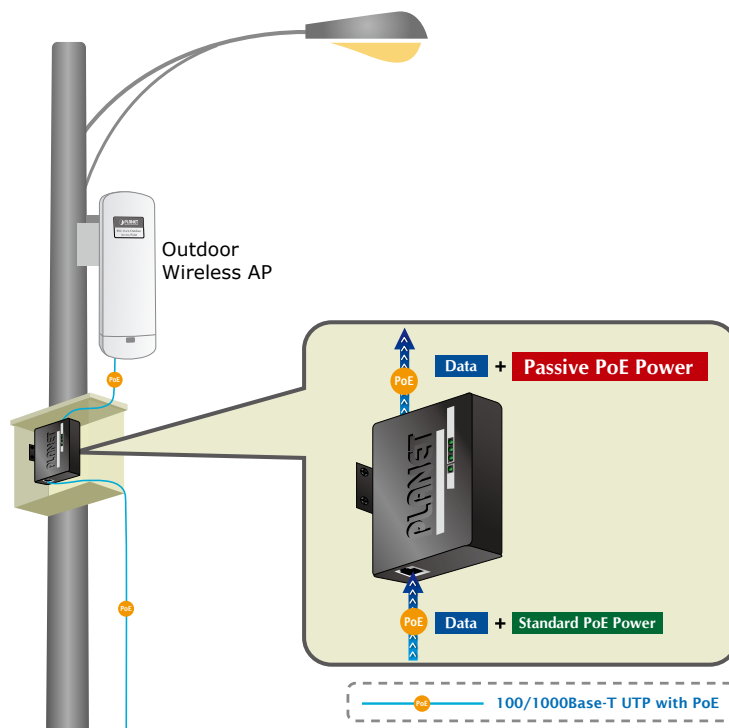
### Plug and Play, Easy Cabling Installation

With IEEE 802.3af/at Gigabit Power over Ethernet devices installed, the system administrator only has to use one single RJ-45 Ethernet cable to transmit both power and data to each device. Besides, by connecting the Industrial High Power PoE Injector with the POE-165S, you can also have the benefits of cost saving, easy networking planning and high network reliability.

## Applications

### IEEE 802.3af/at to Passive PoE Power Converter Installation

Due to the capability of IEEE 802.3af/at standard, the POE-165S can co-work with the IEEE 802.3af/at Gigabit PoE injector devices. The POE-165S has three optional outputs (12V/19V/24V DC) for non-PoE devices, such as multi-channel wireless LAN access points and other network devices.



## Specifications

Model	POE-165S	
<b>Hardware Specification</b>		
Interface	PoE In Port	1 x IEEE 802.3af/at RJ-45 STP / PD
	Passive PoE Out Port	1 x non-802.3af/at RJ-45 STP / PSE
LED Indicator	System - PoE In (Green) Passive PoE Out - 12V (Green) - 19V (Green) - 24V (Green)	
Network Cable	10Base-T: 2-Pair UTP Cat. 3, 4, 5 100Base-TX: 2-Pair UTP Cat. 3, 4, 5 1000Base-T: 2-Pair UTP Cat. 5, 5e, 6 EIA/TIA-568 100-ohm STP	
DIP Switch	12V/19V/24V DC Output Voltage	
Power Input	IEEE 802.3af/at Power over Ethernet End-Span / Mid-Span Class 4 PD	
Power Output	Maximum Passive PoE 12V DC, 0.7A 19V DC, 0.7A 24V DC, 0.7A	
Power Output Pin Assignment	4/5(+), 7/8(-)	
Data Rate	10/100/1000Mbps	
Maximum Distance	Up to 100meters (Including the POE-165S)	
Dimensions (W x D x H)	94 x 70.3 x 26.2 mm	
Weight	182g	
Number of devices that can be powered	1	
Operating Temperature	-40 ~ 75 degrees C	
Storage Temperature	-40 ~ 85 degrees C	
Operating Humidity	5 ~ 90%, Relative Humidity, non-condensing	
Storage Humidity	5 ~ 90%, Relative Humidity, non-condensing	
<b>Compliant PLANET Outdoor Wireless Devices</b>		
2.4GHz	WNAP-6320 @ 12V/19V/24V	
5GHz	WNAP-7206 @ 12V	
	WNAP-7300 @ 19V/24V	
	WNAP-7320 @ 12V/19V/24V	
<b>Standards Conformance</b>		
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-165S	IEEE 802.3af/at to Passive PoE Power Converter (12V/19V/24V)
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## Available PDs for POE-165S

WNAP-7206	5GHz 802.11a/n Wireless Outdoor Access Point
WNAP-7300	5GHz 802.11a/n Wireless LAN Outdoor AP
WNAP-7320	5GHz 300Mbps 802.11a/n Wireless Outdoor Access Point

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POE-165S