1. Package Content

Thank you for purchasing PLANET POE-165S. Before installing the POE-165S, please unpack the box of the POE-165S carefully, and the box should contain the following items:

- ● POE-165S
- ● User's manual

If any of these are missing or damaged, please contact your dealer immediately, if possible, retain the carton including the original packing material, and use them again to repack the product in case there is a need to return it to us for repair.

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2. Product Features

■ 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 selectable DC 12V/19V/24V Slide 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
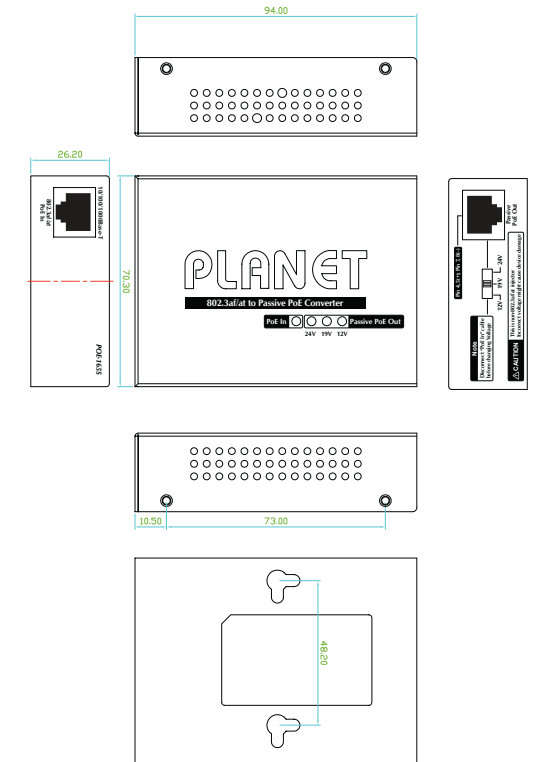- □ FCC Part 15 Class A, CE

Note

1. Disconnect "PoE In" cable before changing voltage.
2. Passive PoE Output port is non-802.3af/at injector, incorrect voltage might cause device damage.
3. Please check and assure your Powered Device (PD) power is through pin 4/5 (+) & 7/8 (-). Otherwise, it will damage the Powered Device (PD).

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3. Product Specifications

Product		POE-165S
Hardware Specification		
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		Passive PoE with maximum 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 POE-165S)
Dimensions (W x D x H)	94 x 70.3 x 26.2 mm
Weight	182g
Number of devices 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
Compliant PLANET Outdoor Wireless Devices	
2.4GHz	WNAP-6320 @ 12V/19V/24V
5GHz	WNAP-7206 @ 12V WNAP-7300 @ 19V/24V WNAP-7320 @ 12V/19V/24V

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

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4. Physical Dimensions

Dimensions (W x D x H): 94 x 70.3 x 26.2 mm

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5. LED Indicators

Figure 1: shows overview of POE-165S.

Figure 1: POE-165S Outlook

POE-165S LED Indicators

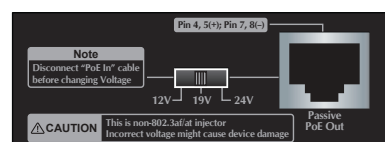| LED	Color	Function
PoE In	Green	Lights to indicate the POE-165S has power.
24V	Green	Lights to indicate the POE-165S output voltage is 24V.
19V	Green	Lights to indicate the POE-165S output voltage is 19V.
12V	Green	Lights to indicate the POE-165S output voltage is 12V.

6. Hardware Installation

The following section describes the hardware features of POE-165S. Before connecting any network device to them, please read this chapter carefully.

> **Note**
> 1. Please ensure the output voltage is correct for remote device. Otherwise, it will damage your remote device.
> 2. Forbid to switch the Power DIP during operation. Otherwise, it will damage your POE-165S and remote device. If want to switch the output Voltage DIP, please Plug-OFF the "POE In" cable and wait for 5 seconds until the POE LED (Power) is completely OFF.
> 3. Please check and assure your Powered Device (PD) power is through pin 4/5 (+) & 7/8 (-). Otherwise, it will damage the Powered Device (PD).

6.1 The POE-165S Installation

1. Select the correct output voltage by DIP Switch to fit the remote device.
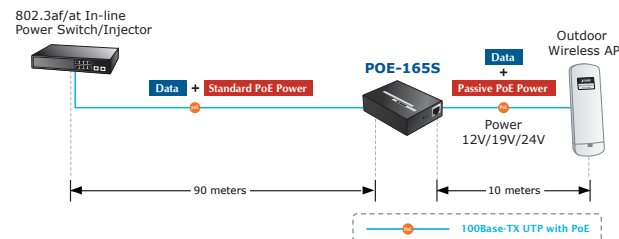

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2. Connect standard UTP cable from **"Passive PoE Out"** port of POE-165S to remote device.

> **Note**
> Please use **Straight cable** for Passive PoE Out port only.

3. Connect standard UTP cable from **"802.3af/at PoE In"** port of POE-165S to PoE switch/injector.

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7. Customer Support

Thank you for purchasing PLANET products. You can browse our online FAQ resource on the PLANET Web site first to check if it could solve your issue. If you need more support information, please contact PLANET switch support team.

PLANET online FAQ :
http://www.planet.com.tw/en/support/faq.php?type=2

Switch support team mail address :
support_switch@planet.com.tw

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EC Declaration of Conformity

For the following equipment:

*Type of Product   : IEEE 802.3af/at to Passive PoE Power Converter (12V/19V/24V)
*Model Number   : POE-165S

* Produced by:
Manufacturer's Name   :   **PLANET Technology Corp.**
Manufacturer's Address: 10F., No.96, Minquan Rd., Xindian Dist.,
                          New Taipei City 231, Taiwan (R.O.C.)

Is here with confirmed to comply with the requirements set out in the Council Directive on the Approximation of the Laws of the Member States relating to Electromagnetic Compatibility (2004/108/EC).
For the evaluation regarding the EMC, the following standards were applied:

EN 55022	(Class A : 2006+A1:2007+A2:2010+AC:2011)
EN 55024	(2010)
IEC 61000-4-2	(2008)
IEC 61000-4-3	(2006+A1:2007+A2:2010)
IEC 61000-4-4	(2012)
IEC 61000-4-5	(2005)
IEC 61000-4-6	(2008)
IEC 61000-4-8	(2009)
IEC 61000-4-11	(2004)

Responsible for marking this declaration if the:
☒ Manufacturer   ☐ Authorized representative established within the EU

Authorized representative established within the EU (if applicable):
Company Name: Planet Technology Corp.
Company Address: 10F., No.96, Minquan Rd., Xindian Dist., New Taipei City 231, Taiwan (R.O.C.)
Person responsible for making this declaration
Name, Surname   Kent Kang
Position / Title :   Product Manager

__Taiwan__   __15, July, 2013__
Place   *Date*   *Legal Signature*

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10F., No.96, Minquan Rd., Xindian Dist., New Taipei City, Taiwan, R.O.C. Tel:886-2-2219-9518 Fax:886-2-2219-9528

User's Manual

Passive PoE
POE-165S

www.PLANET.com.tw

IEEE 802.3af/at to Passive PoE Power Converter

PLANET Technology Corp.
2350-AF0470-000