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PoE Adapter

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It's advisable to read this user manual before using the adapter.

Safety Guidelines

Observe the following to avoid any harm caused from improper use.

- For your safety, DO NOT open the device's shell/cable case whether it is working or not.
- The device operates correctly only within the voltage range of 100-240V AC.
- Please it away from strong current or lightning; DO NOT directly connect an electrical wire to the device.
- To avoid potential short circuit and malfunctions, do not expose the adapter to humidity, heat, vibration or dust.
- Operate it in a well-ventilated working environment.

Chapter 1 Overview

1.1 Product Description

PoE1500S PoE Adapter is fully compliant with IEEE802.3af standard. It delivers up to 15.4W output power per port. By using this device, both data and electrical power can be simultaneously delivered through a single CAT5 (or better) Ethernet cable to a non-PoE Ethernet-enabled device, eliminating the trouble to connect it to an outlet nearby with an external power cord. You can connect it to a wireless AP, Web cam (IP Camera), IP telephone, or other IEEE802.3af-compliant devices (required by PoE1500S only) for the purpose of reducing installation cost and improving your network performance.

1.2 Features

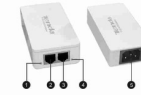
- Complies with IEEE802.3, IEEE802.3u, IEEE802.3ab and IEEE802.3af (PoE1500S Only)
- 2 RJ-45 ports provide 10/100/1000Mbps link rate
- Plug & Play Installation
- Delivers both data and electrical power using a single Ethernet cable
- Green design, low power consumption
- Over-voltage/current/load protection against potential damage
- 100-240V AC wide-range voltage input, 48V DC output voltage
- Compact size
- Delivers data up to 100 meters away

1.3 Package Contents

Open the package and verify the following items:

1. PoE1500S/PoE1300S PoE Adapter
2. Power Cord
3. User Manual

1.4 Hardware Overview



1. PSE LED: Power delivery indicator. A solid green light indicates that the PoE 1500S is delivering power to the connected PD.
2. DATA & PWR OUT: Connect this port to a PD (Powered Device) with a Cat.5 cable.
3. DATA IN: Connect this port to an Ethernet device with a Cat.5 cable.
4. POWER LED: A solid green light indicates that the PSE 1500S/PoE 1300S is working normally.
5. Power Receiver: 100~240V input voltage.

▲ Note:

1. If the power LED does not light up, it indicates that the power cord may not be correctly connected or a power malfunction occurs. Verify the power connection and the device.
2. If the PSE LED does not light up, go to check whether the connected PD is IEEE802.3af-compliant; Note that only an IEEE802.3af-compliant device can be powered by the PoE 1500S adapter.
3. PoE1300S has no PSE LED.

1.5 Environmental Requirement

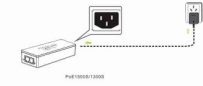
- (1) To avoid potential short circuit or malfunction, DO NOT expose the adapter to heat, humidity, heat, vibration or dust.
- (2) Keep the device, at least 30cm, away from heat source.
- (3) Make sure the cable connected to a PD does not exceed 100 meters in length for better performance.

Chapter 2 Installation

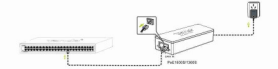
The following illustrates installation process by connecting the adapter to an AP.

1. Power up the PoE1500S plugging the included power cord into an outlet nearby.

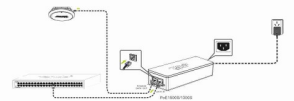
- 1.1 Plug the device to an outlet using the included power cord.



- 1.2 Connect one of the switch's RJ45 port to the PoE1500S "data in" port using a Cat.5 cable.



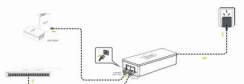
- 1.3 Connect one of the AP's RJ45 port to the PoE1500S "data & power out" port using a Cat.5 cable.



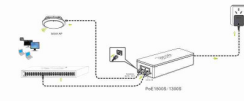
Chapter 3 Applications

Application 1:

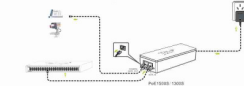
1. Switch-----PoE1500S/ PoE1300S -----PoE Splitter (PoE1500D).



2. Switch-----PoE1500S/ PoE1300S ----- Wireless AP (W301AP).



3. Switch-----PoE1500S/PoE1300S -----Others (for example, IP telephone, IP cam, etc).



▲ Note:

1. The PoE1500S/ PoE 1300S adapter operates correctly only with Ethernet-enabled devices.
2. Powered device that connects to the PoE1500S adapter MUST be IEEE 802.3af compliant.
3. To avoid potential damage, powered device that connects to the PoE1300S adapter MUST operate with 48V input voltage.

Appendix

General Specifications	
Standards	IEEE802.3, IEEE802.3u, IEEE802.3ab, IEEE802.3af (PoE1500S only)
Output Voltage	48V
Output Power	15.4W
Input Voltage	100-240V AC
Port Count	2 10/100/1000Mbps RJ45 ports
Cable	Cat.5 or better
LED	PoE1500S: 1 Power LED and 1 PSE LED PoE1300S : 1 Power LED
Operating Environment	
Operating Temperature	0℃~40℃
Storage Temperature	-40℃~70℃
Operating Humidity	0%~90% RH (Non-condensing)
Storage Humidity	10%~90% RH (Non-condensing)

Technical Support

Toll Free: 1-800-570-5882 (For USA only)  
Tel: +86 (755) 2344 2820 2765 7180  
Email: support@tenda.com.cn

FCC Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

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反面

型号: POE1500S 英文说明书  
料号: 10010278  
尺寸: 105x143mm  
材质: 80g 书写纸 风琴5折页