



**PTB-AF-5V**

## 5V Output USB-A PoE Splitter

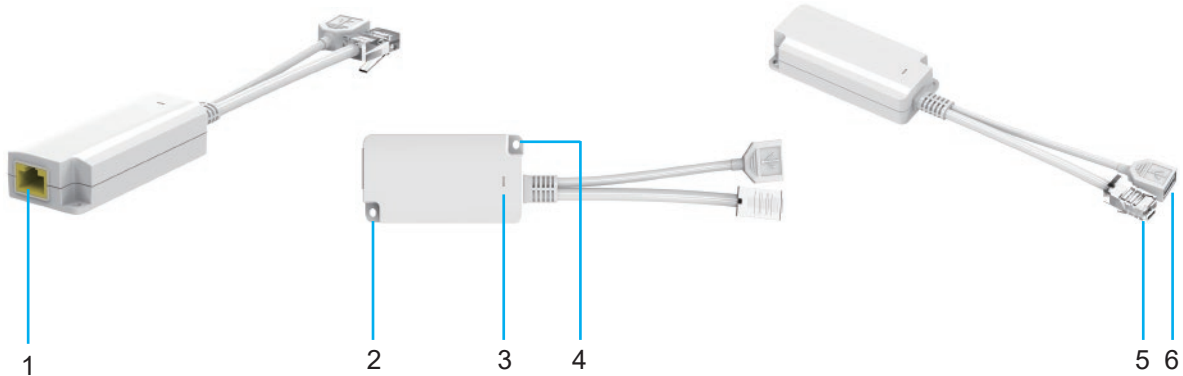
### Product Overview

PTB-AF is an indoor rated PoE USB-A splitter specially designed for complex backhaul and networking application. Enclosed in an IP40 fire retardant plastic case with compact design. It works as a converter to get power and data from PoE injector or PoE Switch of 802.3af/at over RJ45 connector then separate power and data to PDs.

The output power is 5Vdc, 2.5A(max) via USB-A Female connector to PDs. Such as power communication station, wireless APs, network cameras, Tablet PC, and other USB-A devices.

PoE signal into a separate data signal at 10/100Mbps. For planning purposes, the effective distance is 100 meters via Cat5e/Cat6 cables from Ethernet data source to PD.

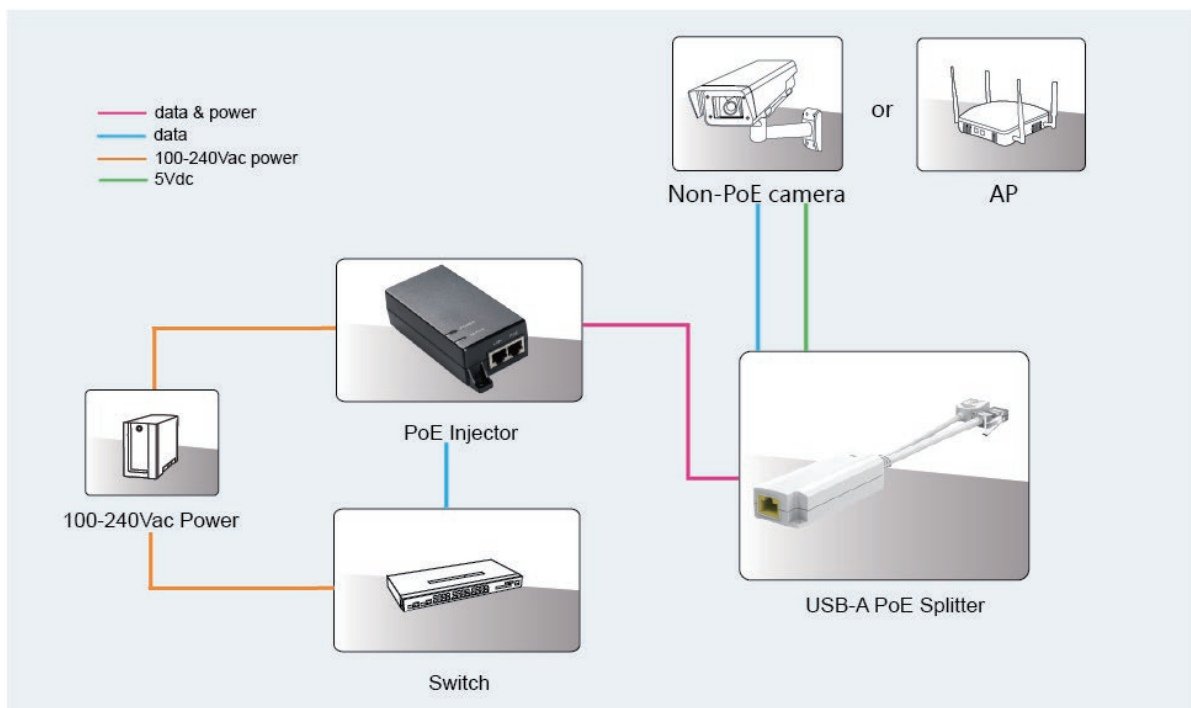
### Product Profile



- 1. PoE: Data&Power input port
- 2. 4. Mounting holes
- 3. USB-A output indicator

- 5. LAN output port
- 6. USB-A Female port

### Product Working Diagram



## Specification

### Standard

- IEEE802.3 10Base-T Ethernet
- IEEE802.3u 100Base-Tx Fast Ethernet
- Support PoE injector with IEEE802.3af/at
- RoHS Compliance
- WEEE Compliance

### Input & Output

- Input :40-57Vdc PoE injector/PoE Switch 802.3af/at
- Input Power Pins: 4/5(+), 7/8(-) or 3/6(+),1/2(-)
- Output: 5Vdc 2.0A @0℃ to 55℃,  
5Vdc 2.5A(max) @0℃ to 40℃,
- Data Speed: 10/100Mbps

### Working Environment

- Operating Temperature: 0℃ to 40℃
- Operating Humidity: 20% to 80%, non-condensation
- Storage Temperature: -20℃ to 70℃
- Storage Humidity: 10% to 90%, non-condensation
- Operating Altitude: up to 2000meters

### Mechanical Characteristics

- Case: Plastic
- Color: white
- Mounting: Wall-mounted
- IP Rated: IP40
- Size: (81.3+130.9)mm X 34.7mm X 19mm
- Weight: 200g
- Connectors: RJ45 Female\*1, RJ45 Male\*1  
USB-A Female\*1

### EMI

- FCC CFR47 Part 15, EN55032, EN55035

### EMS

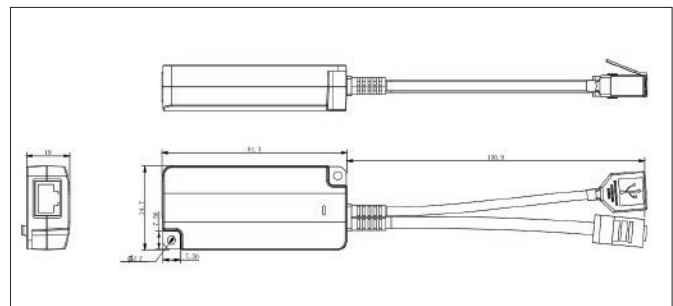
- IEC61000-4-2(ESD) Air discharge: 8kV,  
Contact discharge: 4kV, Performance B
- IEC61000-4-3(RS) 80~1000MHz,3V/m,80%AM(1kHz),  
Performance A
- IEC61000-4-4(EFT) AC Power line: 1kV, Performance B  
DC Power line:0.5kV,Performance B  
Signal line:0.5kV, Performance B

### Immunity

- IEC60068-2-6(Vibration)
- IEC60068-2-27(Impact)
- IEC60068-2-32(Free Fall)

### LED Indicator

- Power output Indicator : Green



**Order Info.** PTB-AF-5V

5Vdc/2.5A/10/100Mbps/4,5(+),7,8(-) or 3,6(+),1,2(-)

**Packing.** PTB-AF-5V  
Manual x 1

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