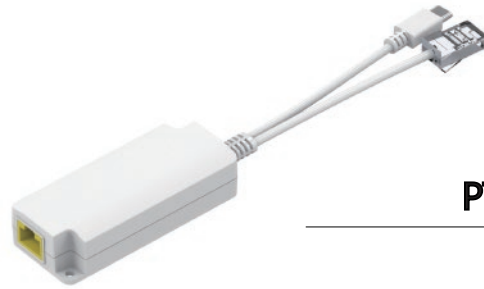# 5V Output USB-C PoE Splitter

PTC-AF-5V

Product Overview

PTC-AF-5V is an indoor rated PoE USB-C 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.
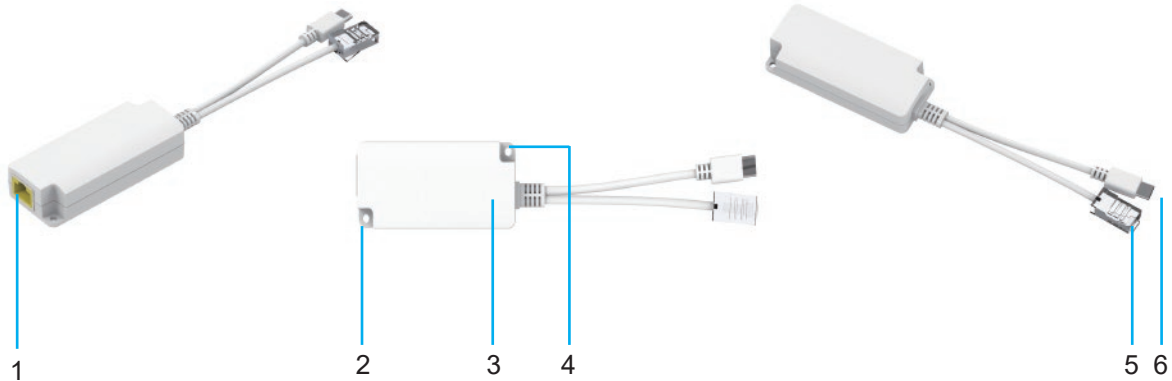
The output power is 5Vdc, 2.5A(max) via USB-C Male connector to PDs. Such as computers, iPad, Macbook, Google Wifi, Tablet PC, and other USB-C devices.

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.
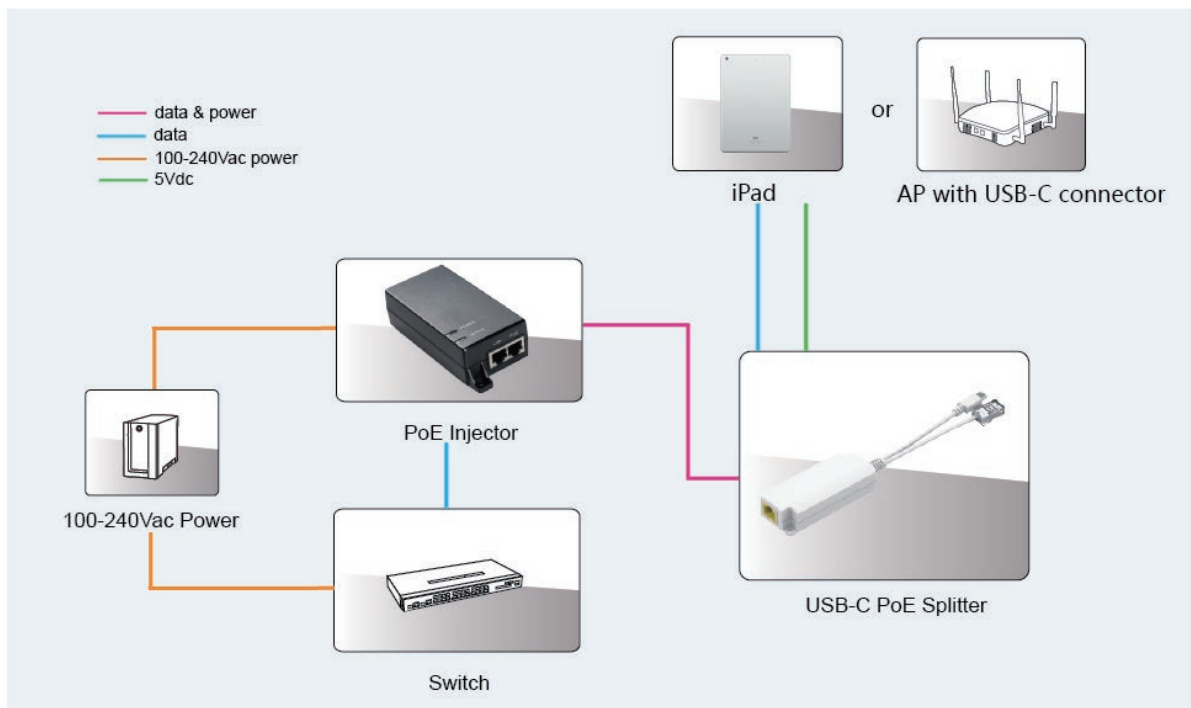
Product Profile

1. PoE: Data&Power input port
2. 4. Mounting holes
3. USB-C output indicator
5. LAN output port
6. USB-C Male 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: (82.3+124.81)mm X 34.7mm X 19mm
- Weight: 200g
- Connectors: RJ45 Female*1, RJ45 Male*1
              USB-C Male*1

EMI

- FCC CFR47 Part 15, EN55032, EN55035
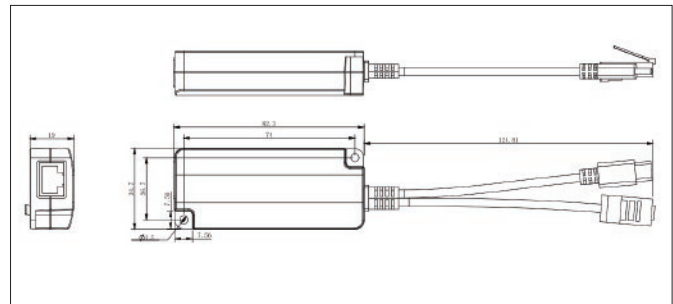
EMS

- 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, Perfromance B

Immunity

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

LED Indicator

- Power output Indicator : Green

Order Info. PTC-AF-5V   5Vdc/2.5A/10/100Mbps/4,5(+),7,8(-) or 3,6(+),1,2(-)/PoE to USB-C

Packing. PTC-AF-5V
              Manual x 1