



## PT-PTC-BT

## Gigabit PoE to TYPE-C Converter

### Product Overview

PT-PTC-BT is an indoor PoE rated networking converter, special convert power&data from PoE to Type-C devices. It is with 1 PoE port for 802.3bt standard input and 1 Type-C port for power output and 1 RJ45 port for data output. The dataspeed is 10/100/1000Mbps (Gigabit). This converter output total 50W for Type-C PDs, and the voltage output from 5V-20V base on the required of your Type-C PDs. It is designed with OVP,OCP, SCP, then worked safty for the Type-C PDs, such as computers, IPad, Macbook, Google Wifi etc.

PT-PTC-BT only works for indoor environment, which designed to be powered from the IEEE802.3bt PoE switch or PoE injector. The standard effective distance is 100m from PoE switch or injector to Type-C converter over Cat5 /5e/6 cables.

Enclosed in an IP40 high-impact metal case with small size and easy to pair with nearly everything else.

### Product Profile



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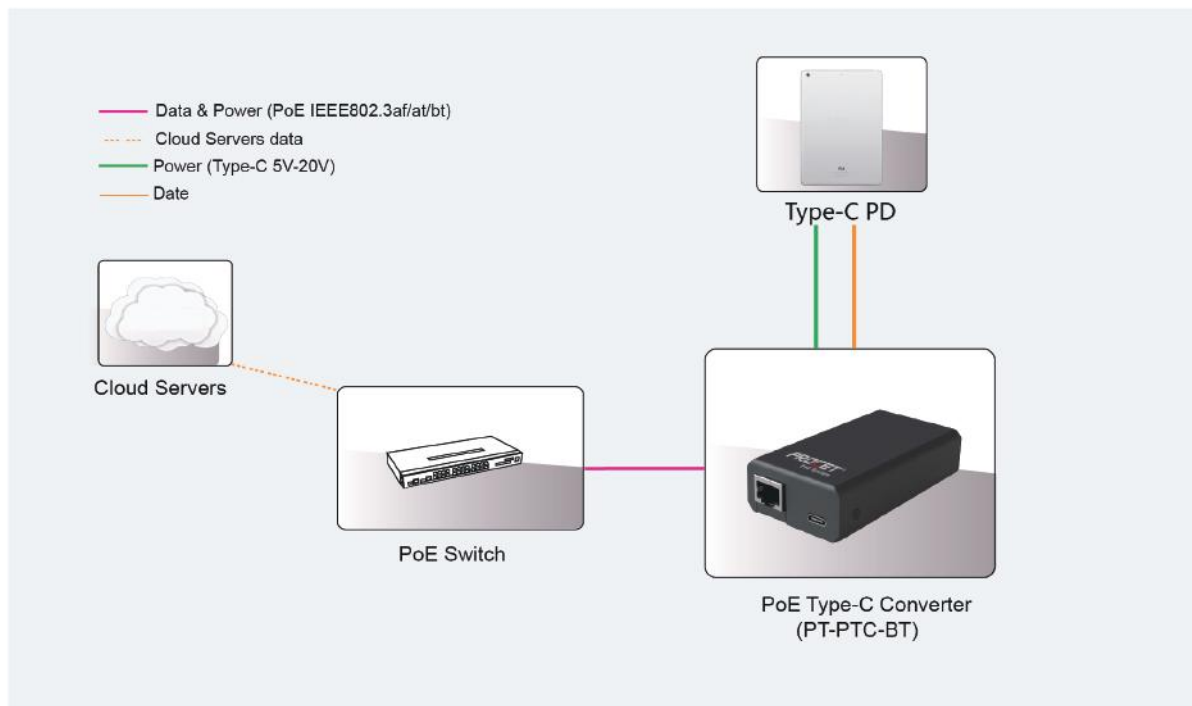
1. PoE input indicator
2. Type C output indicator
3. PoE input port



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4. RJ45 port with data
5. Type-C port with power

### Product Working Diagram



## Specification

### Standard

- IEEE802.3 10Base-T Ethernet
- IEEE802.3u 100Base-Tx Fast Ethernet
- IEEE802.3ab 1000Base-T Gigabit Ethernet
- Compliant with IEEE802.3af/at/bt
- RoHS Compliance
- WEEE Compliance

### Input & Output

- Input :44-57Vdc IEEE802.3bt
- Input Power Pins: 4/5(+), 7/8(-), 3/6(+), 1/2(-)
- Output: 5V3.4A/9V3A/12V3A/15V3A/20V2.5A
- Data Speed: 10/100/1000Mbps

### 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: Metal
- Connector Types: USB Type C & RJ45
- Color: Black
- IP Rated: IP40
- Size: 91mm X 51.11mm X 24.11mm
- Weight: 142g

### EMI

- FCC CFR47 Part 15, EN55024, EN55032

### EMS

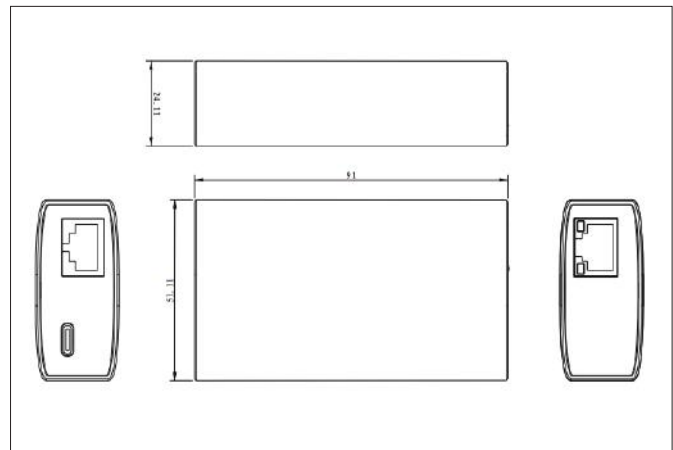
- IEC61000-4-2(ESD)  $\pm 6$ kV(contact),  $\pm 8$ kV(air)
- IEC61000-4-3(RS) 10V/m(80MHz~2GHz)
- IEC61000-4-4(EFT) Power Port:  $\pm 2$ kV; Data Port: $\pm 1$ kV
- IEC61000-4-5(Surge) Power Port: $\pm 1$ kV/DM,  $\pm 2$ kV/CM
- IEC61000-4-6(CS) 10V(150kHz~80MHz)

### Immunity

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

### LED Indicator

- PoE input indicator: Green
- Type C output indicator: Yellow



**Order Info.** PT-PTC-BT

5V-20V/50W/1000Mbps/Type-C&RJ45 Port

**Packing.** PT-PTC-BT  
Manual x 1

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