



**PT-PSE106GBR-10**

## 802.3bt 10G 90W PoE Injector

### Product Overview

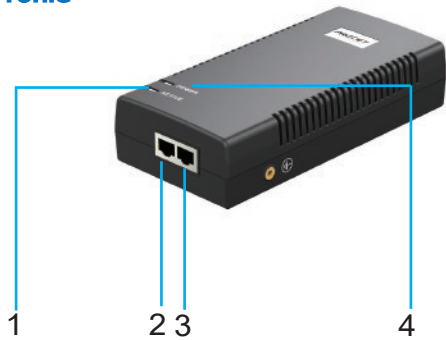
PT-PSE106GBR-10 is a single port PoE midspan Injector with 4 Pairs PoE up to 90 watts of power at 55VDC at 1.64A with 6KV (10/700us) surge protection. It supports not only 10/100/1000Mbps of data speed, but also 2.5GbE/5GbE/10GbE NBase-T. It works for 90W PoE PDs, such as wireless APs, base stations, high power cameras, door locks, displays, POS, information kiosks and other high power Ethernet terminals. It complies to 802.3bt and backward compatible with IEEE802.3af/at standard.

PT-PSE106GBR-10 is designed for indoor use. It works with wide input voltage of 100-240Vac.

It has detecting chip inside, which will detect and classify PD before powering it. It will not apply power until a standard-compliant PD is detected. The effective distance is 100 meters over Cat5e/Cat6 cables.



### Product Profile

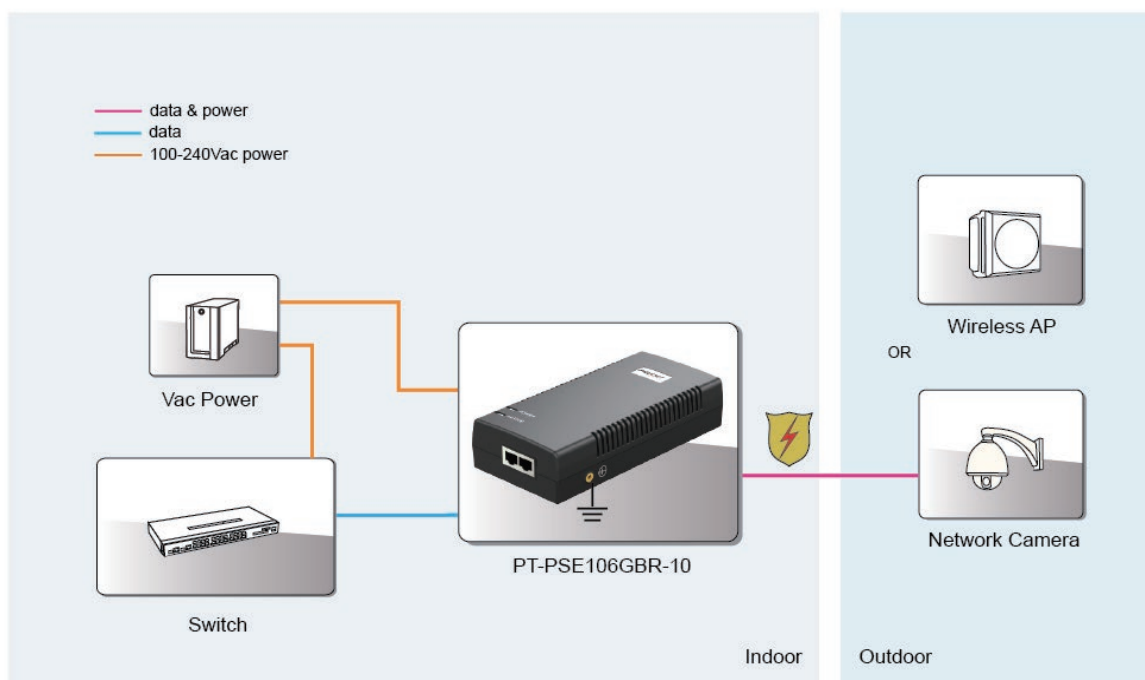


- 1. PoE Load Indicator
- 2. LAN: Data Input Port
- 3. PoE: Data & Power Output Port



- 4. Power Indicator
- 5. Earth
- 6. AC Power Input

### Product Working Diagram



## Specification

### Standard

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

### Input & Output

- Input :100-240Vac 2.0A 50/60Hz
- Output: 55Vdc 1640mA
- Power Pins: 4/5(+), 7/8(-) and 3/6(+),1/2(-)
- Data Speed: 10/100/1000Mbps & 2.5/5/10GbE

### 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 5000meters

### AC Surge Protection

- Line-Earth 1.2/50us (8/20us): 2KV
- Line-Line 1.2/50us (8/20us): 1KV

### PoE Surge Protection

- Protected line: 1,2,3,4,5,6,7,8
- Common mode surge protection(10/700us): 6KV
- Differential mode surge protection (10/700us): 1.5KV

### Mechanical Characteristics

- Case: Plastic
- Color: Black
- IP Rated: IP40
- Size: 178.71mm X 85mm X 41mm
- Weight: 500g

### Safety Approvals

- cUL/UL
- UKCA
- 62368
- CE
- FCC

### EMI

- FCC CFR47 Part 15, EN55032, EN55035

### EMS

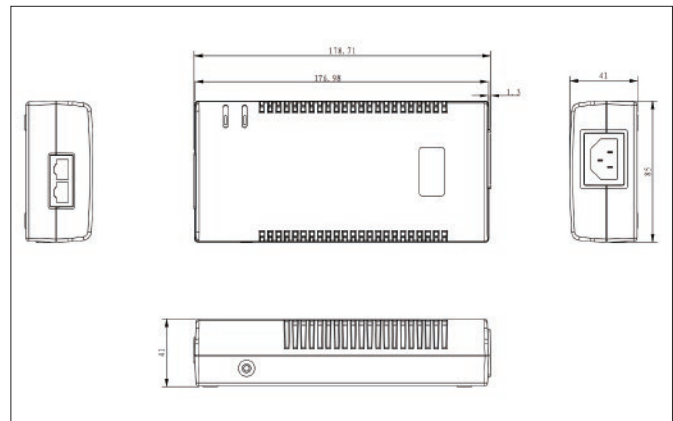
- IEC61000-4-2(ESD) ± 4kV(contact), ±8kV(air)
- IEC61000-4-3(RS) 10V/m(80MHz~2GHz)
- IEC61000-4-4(EFT) Power Port: ±2kV; Data Port:±1kV
- IEC61000-4-5(Surge) Power Port:±1kV/DM, ±2kV/CM
- IEC61000-4-6(CS) 10V(150kHz~80MHz)

### Immunity

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

### LED Indicator

- Power Indicator : Green
- PoE Load Indicator : Green



**Order Info.** PT-PSE106GBR-10

55Vdc/1.64A/10G/(4,5+,7,8-) and (3,6+,1,2-)/Surge Protection/BT

### Packing

PT-PSE106GBR-10  
Power Cord x 1 (Optional)  
Manual x 1