



## Wide-temperature 95W Gigabit PoE Injector

PT-PSE109GBRO Ver3.0

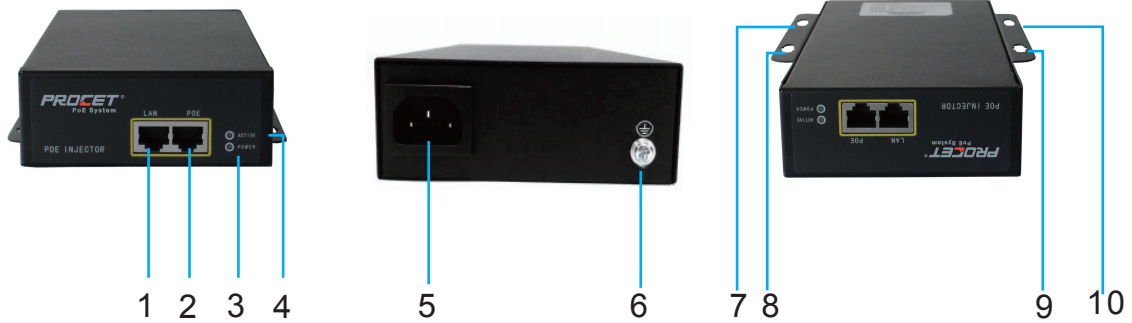
### Product Overview

PT-PSE109GBRO, it is a single-port PoE Injector with wide-temperature. It provides 55Vdc, 1.75A power for remote PDs over full 4 pairs with 6KV (10/700us) surge protection. It supports both 10/100Base-T and Gigabit device. It works for 95W PoE PDs, such as wireless APs, base stations, high power cameras, door locks, displays, POS, information kiosks and other high power Ethernet terminals. It is also compatible and safe to use with any IEEE802.3af/at, PoE++ compliant terminals.

PT-PSE109GBRO is designed for indoor use but can work outdoor by covered with waterproof case. It works with 100-240Vac input and operates under -40°C to +65°C. It has detection chip inside, which will detect and classify PD before powering it. It will not provide power until a standard compliant PD is detected. The effective distance is 100m over Cat5e/Cat6 cables. It is specially suitable for working in complex power situations.



### Product Profile

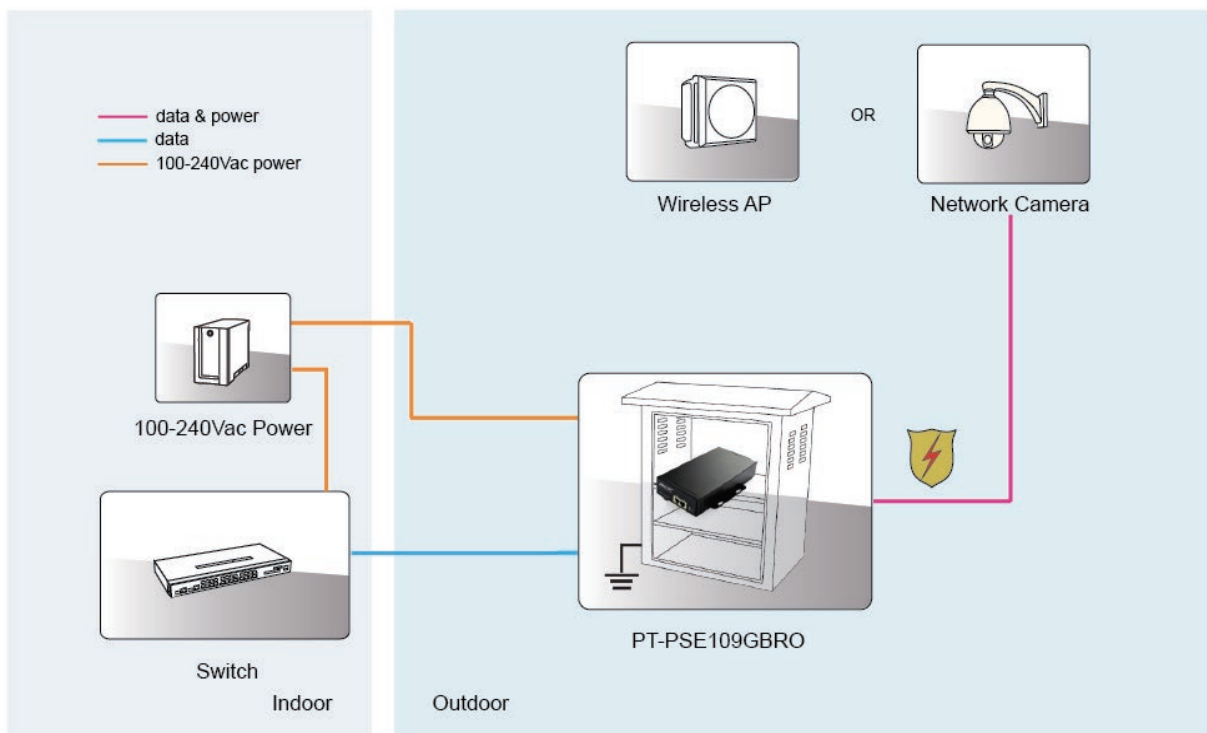


- 1. LAN: Data Input Port
- 2. PoE: Data & Power Output Port
- 3. Power Indicator

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

- 7,8,9,10. Mounting Hole

### 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, PoE++
- RoHS Compliance
- WEEE Compliance

### Input & Output

- Input :100-240Vac 2.0A 50/60Hz
- Output: 55Vdc 1750mA
- Power Pins: 4/5(+), 7/8(-) and 3/6(+),1/2(-)
- Data Speed: 10/100/1000Mbps

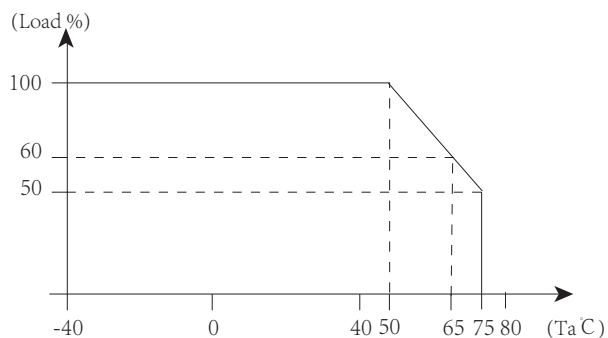
### Working Environment

- Operating Temperature: -40℃ to 65℃
- Operating Humidity: 20% to 80%, non-condensation
- Storage Temperature: -40℃ to 85℃
- Storage Humidity: 10% to 90%, non-condensation
- Operating Altitude: up to 5000meters

### LED Indicator

- Power Indicator: Green
- PoE Load Indicator: Green

### Performance Data



Load Loss (%)@Temperature (°C)

### Safety Approvals

- cUL/UL
- CE
- CB
- FCC
- RCM
- NOM

### AC Surge Protection

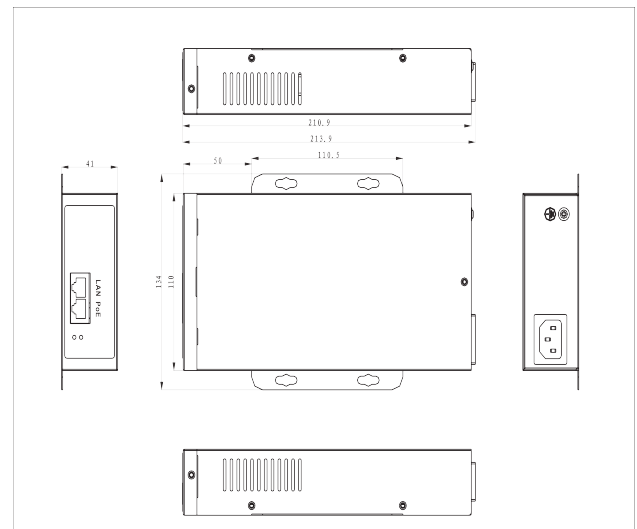
- Line-Earth 1.2/50us (8/20us): 2KV
- Line-Line 1.2/50us (8/20us): 1KV

### 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: Metal
- Color: Black
- Mounting: Wall-mounted
- IP Rated: IP20
- Size: 214mm X 134mm X 41mm
- Weight: 1070g



### Order Info.

PT-PSE109GBRO 55Vdc/95W/1000Mbps/(4,5+,7,8-) and (3,6+,1,2-)/6KV Surge protection/Active

### Packing

PT-PSE109GBRO x 1  
Power Cord x 1 (Optional)  
Operation Manual x 1