



**PT-PSE109GXR**

## 160W Single-Port PoE Injector

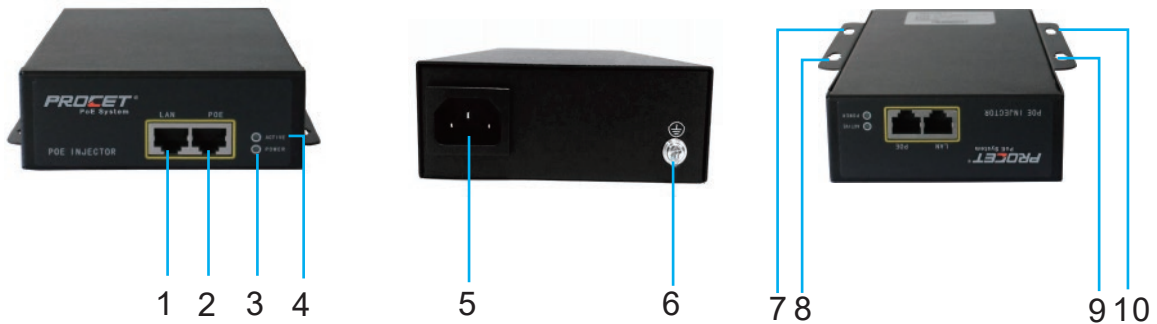
### Product Overview

PT-PSE109GXR is a single port PoE Injector. It provides 55Vdc, 2.9A power for remote PDs over full 4 pairs output with 6KV (10/700us) surge protection. It supports data speed of 10/100/1000Mbps. It works for 160W PoE PDs, such as wireless APs, base stations, Network cameras, and other high power Ethernet terminals. It is backward compatible with IEEE802.3af/at, PoE++ standards.

PT-PSE109GXR is designed for indoor use. It works with 100-240Vac input. 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 100 meters over Cat6 cables.

It equipped high quality high power supply inside, which can provide sustained and stable power for your device.

### Product Profile

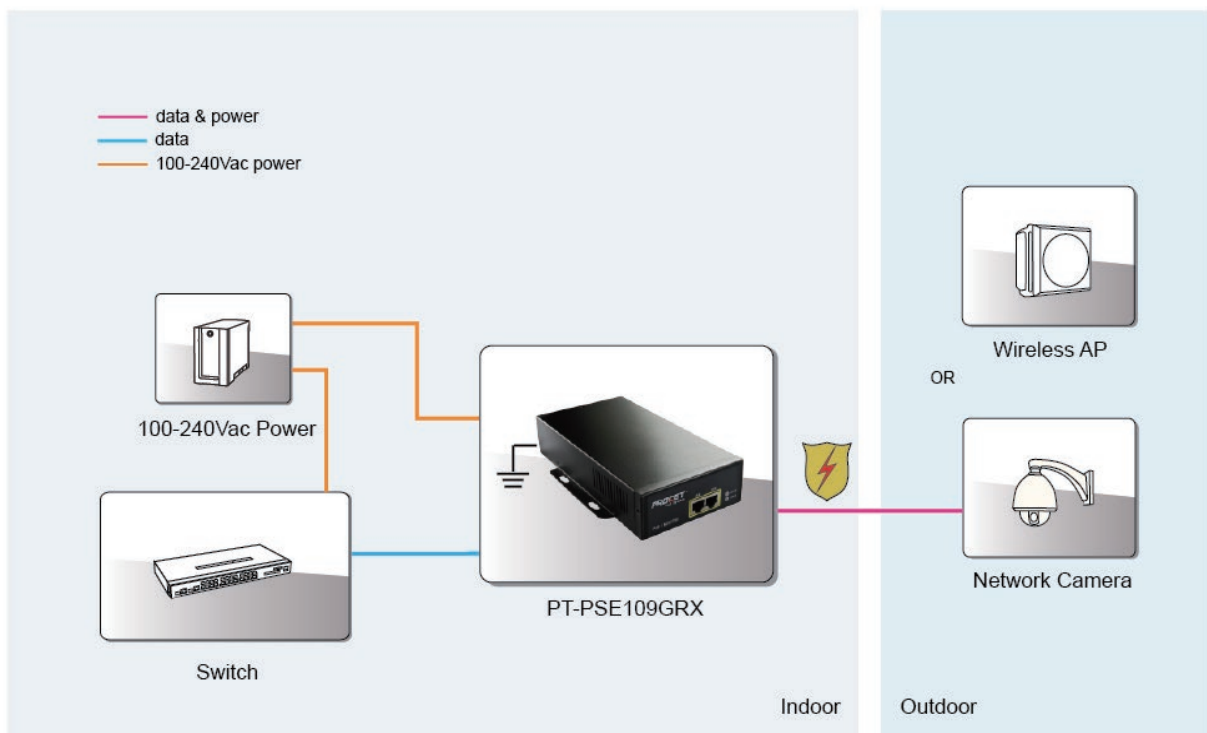


1. LAN: Data Input Port
2. PoE: Data & Power Output Port
3. Power Indicator

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
- Support terminal equipment with IEEE802.3af/at, PoE++
- RoHS Compliance
- WEEE Compliance

### Input & Output

- Input :100-240Vac 3.0A 50/60Hz
- Output: 55Vdc 2900mA
- Power Pins: 4/5(+), 7/8(-) and 1/2(-),3/6(+)
- 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 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

### LED Indicator

- Power Indicator: Green
- PoE Load Indicator: Green

### EMI

- FCC CFR47 Part 15, EN55032, EN55035

### EMS

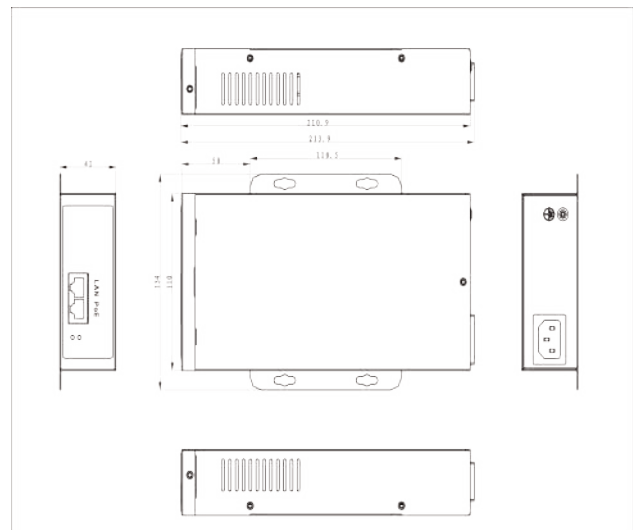
- IEC61000-4-2(ESD)  $\pm 6kV$ (contact),  $\pm 8kV$ (air)
- IEC61000-4-3(RS) 10V/m(80MHz~2GHz)
- IEC61000-4-4(EFT) Power Port:  $\pm 2kV$ ; Data Port: $\pm 1kV$
- IEC61000-4-5(Surge) Power Port: $\pm 1kV/DM$ ,  $\pm 2kV/CM$
- IEC61000-4-6(CS) 10V(150kHz~80MHz)

### Immunity

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

### Mechanical Characteristics

- Case: Metal
- Color: Black
- Mounting: Wall-mounted
- IP Rated: IP20
- Size: 214mm X 134mm X 41mm
- Weight: 1140g



### Order Info.

PT-PSE109GXR 55Vdc/160W/1000Mbps/(4,5+,7,8-) and (1,2-,3,6+)/surge protection/Active

### Packing

PT-PSE109GXR x 1  
Power Cord x 1 (Optional)  
Operation Manual x 1