![PROCET PoE System logo]

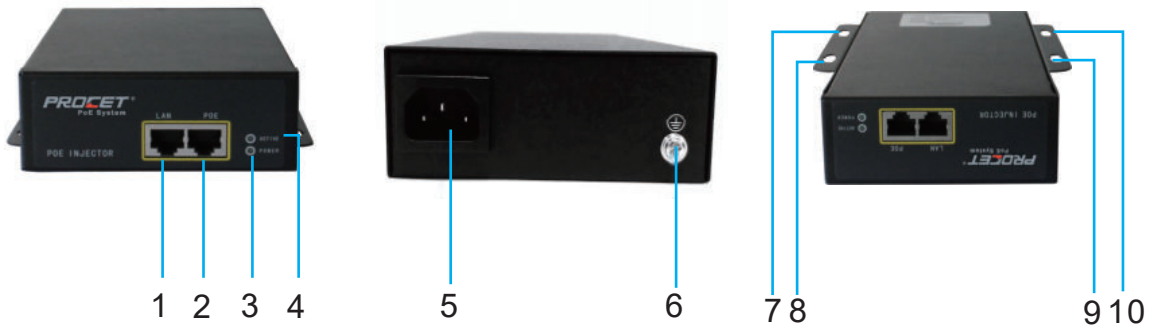# 160W Gigabit PoE Injector

PT-PSE109GXRN

Product Overview

PT-PSE109GXRN 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 10/100/1000Mpbs. It works for 160W PoE PDs, such as wireless APs, base stations, Microwave radios, Network cameras, and other high power Ethernet terminals. It supports terminal equipments with IEEE802.3af/at, PoE ++ standard.

Enclosed in a high impact metal case with four mounting holes. PT-PSE109GXRN is designed for indoor use. It works with 100-240Vac input. It will directly power PDs without detecting.
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.
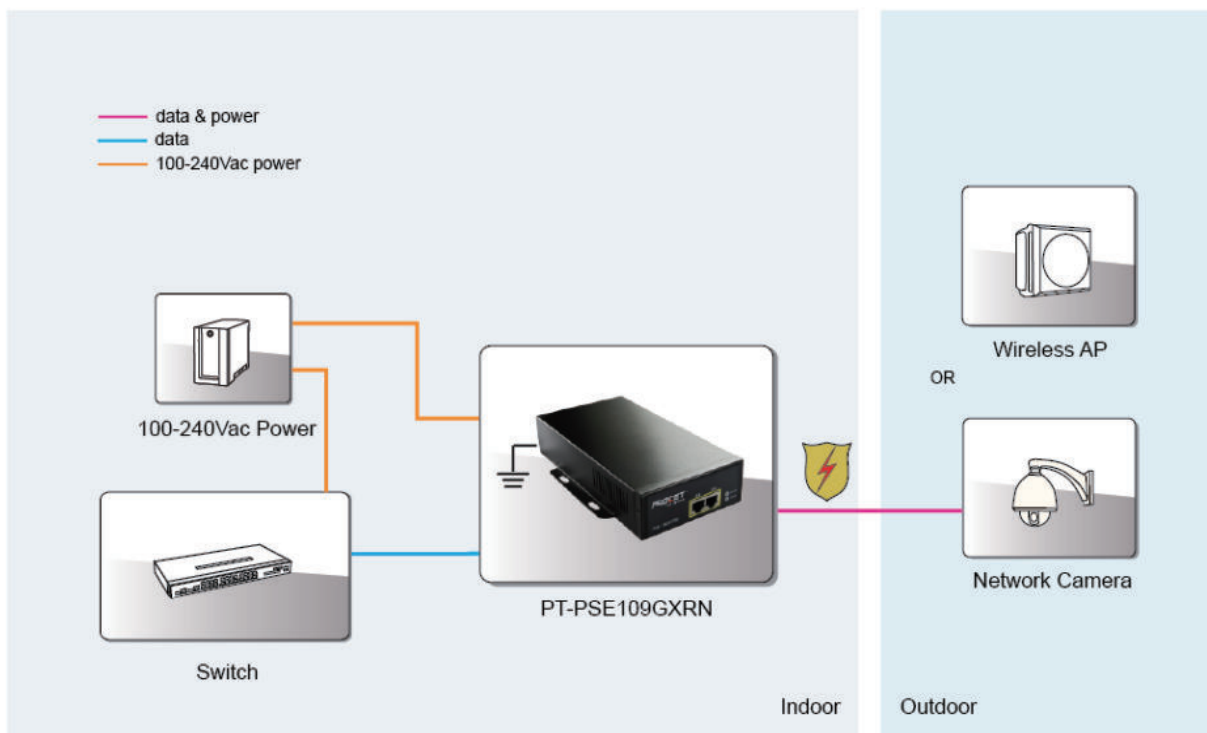
Product Profile

1 2 3 4   5   6   7 8   9 10

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

- data & power
- data
- 100-240Vac power

100-240Vac Power

Switch

PT-PSE109GXRN

Wireless AP

OR

Network Camera

Indoor   Outdoor

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

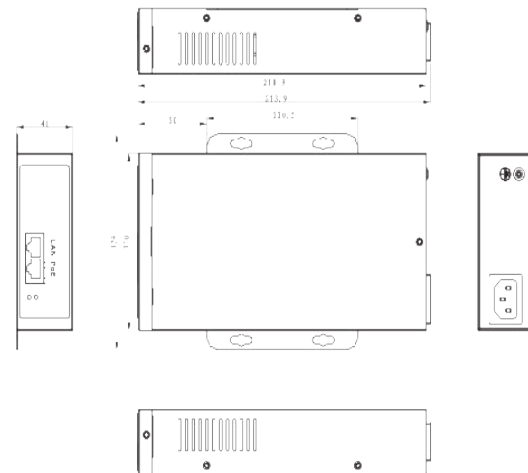- FCC CFR47 Part 15, EN55024, EN55032

EMS

- IEC61000-4-2(ESD) ± 6kV(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)

Mechanical Characteristics

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

Order Info.
PT-PSE109GXRN   55Vdc/160W/1000Mbps/(4,5+,7,8-) and (1,2-,3,6+)/surge protection/Passive

Packing
PT-PSE109GXRN   x 1
Power Cord x 1 (Optional)
Operation Manual x 1