



**PT-PSE105GW-E**

**Industrial DC Input Boost PoE Injector**

**Product Overview**

PT-PSE105GW-E is a single-port, industrial-scale, boost PoE injector. It provides 55Vdc, 1.1A power for remote PDs over full 4 pairs output with 6KV (10/700us) surge protection. It supports 10/100/1000 of data speed. It works for 60W PoE PDs, such as wireless access points, network cameras, VoIP phones and other high power Ethernet terminals. It is also compatible and safe to use with any IEEE802.3af/at, PoE++ compliant terminals.

PT-PSE105GW-E is designed for indoor use. It works with input voltage of 12-55Vdc 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 apply power until a standard-compliant PD is detected. The effective distance is 100m over Cat5e/Cat6 cables.

This model equipped standard DIN rail mounting bracket, which can easily jam into the guide rail.



**Product Profile**

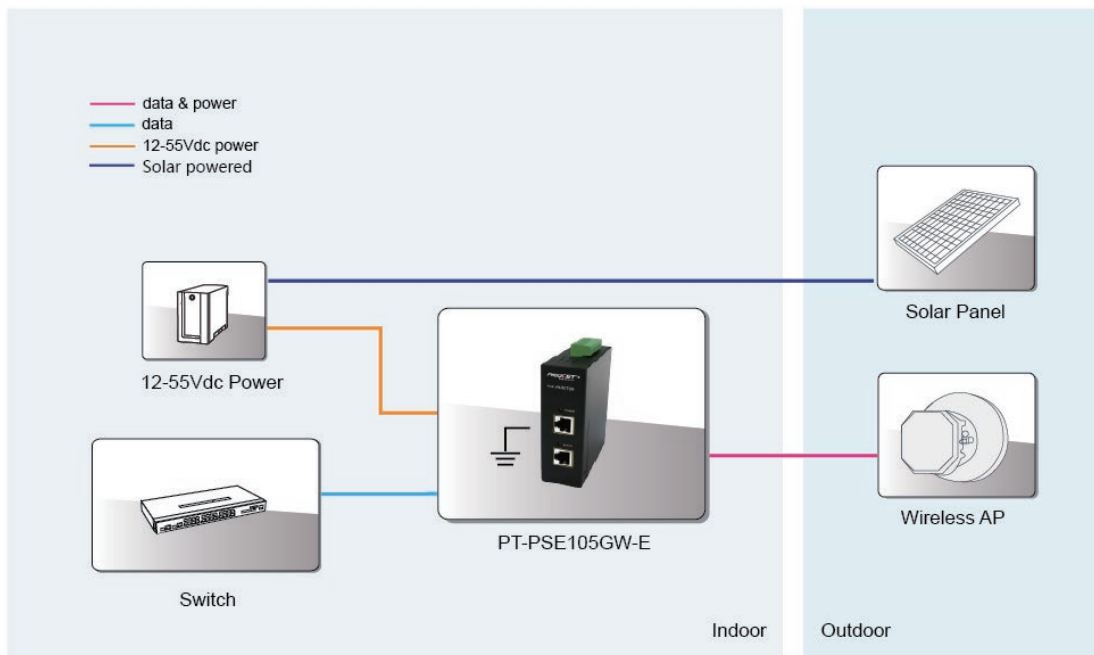


- 1. DC input indicator
- 2. LAN input port
- 3. PoE output port
- 4. PoE load indicator



- 5. DC Input Port
- 6. DIN Rail Mounting Bracket
- 7. Earth

**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 :12-55Vdc 10.0A(Max)
- Output: 55Vdc 1100mA
- Power Pins: 4/5(+), 7/8(-) & 1/2(-), 3/6(+)
- 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

### 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: DIN-rail
- IP Rated: IP40
- Size: 144.5mm X 95mm X 35.4mm
- Weight: 400g

### Safety Approvals

- CE

### EMI

- FCC CFR47 Part 15, EN55032, EN55035

### EMS

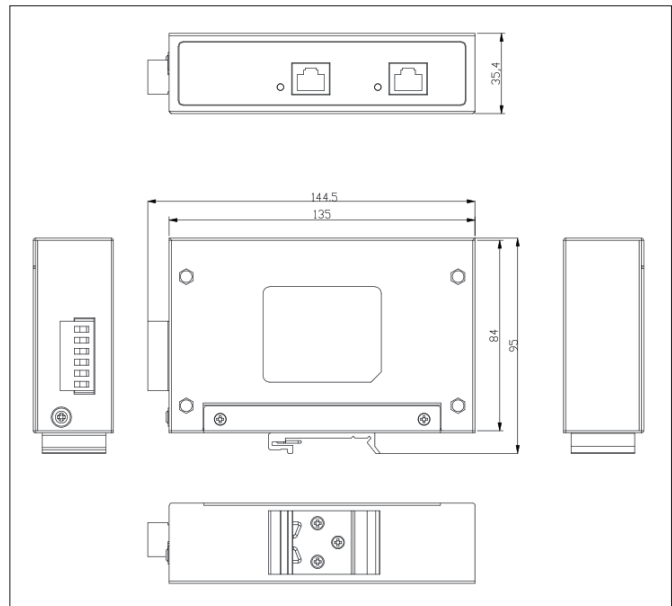
- IEC61000-4-2(ESD)  $\pm 6kV$ (contact),  $\pm 8kV$ (air)
- IEC61000-4-3(RS) 10V/m(80MHz~2GHz)
- IEC61000-4-4(EFT) Power Port:  $\pm 2kV$ ; Data Port: $\pm 1kV$
- IEC61000-4-5(Surge) Power Port: $\pm 1kV/DM$ ,  $\pm 2kV/CM$
- IEC61000-4-6(CS) 10V(150kHz~80MHz)

### Immunity

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

### LED Indicator

- Power Indicator : Green
- PoE Load Indicator : Yellow



**Order Info.** PT-PSE105GW-E

Boost/55Vdc/1.1A/1000Mbps/(4,5+,7,8-, 3/6+, 1/2-) /Surge Protection/Active

### Packing

PT-PSE105GW-E  
Ground lug Wire: 16AWG  
Manual x 1