



**PT-PSE105GWN-D**

**Passive DC Input 60W PoE Injector**

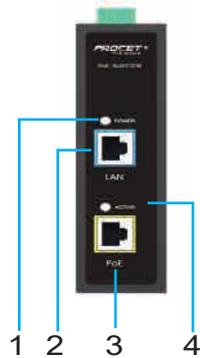
**Product Overview**

PT-PSE105GWN-D is a single-port, industrial-scale PoE injector. It provides 60W power for remote PDs over full 4 pairs output with 6KV (10/700us) surge protection. It supports 10/100/1000Mbps of data speed. It works for 60W PoE PDs, such as wireless access points, network cameras, Voip phones, Base station, Microwave radio and other high power Ethernet terminals. It is also compatible and safe to use with any IEEE802.3 af/at/bt, PoE++ compliant terminals.

Enclosed in an IP40 high-impact metal case with DIN Rail mount bracket, designed for indoor use but can work outdoor by covered with waterproof case. It works with a wide input voltage of 44-57Vdc, the output voltage follows input and operates under -40 C to +65 C . The passive PoE will directly power PDs without detecting.

For planning purposes, the effective distance is 100 meters over Cat5e/Cat6 cables.

**Product Profile**

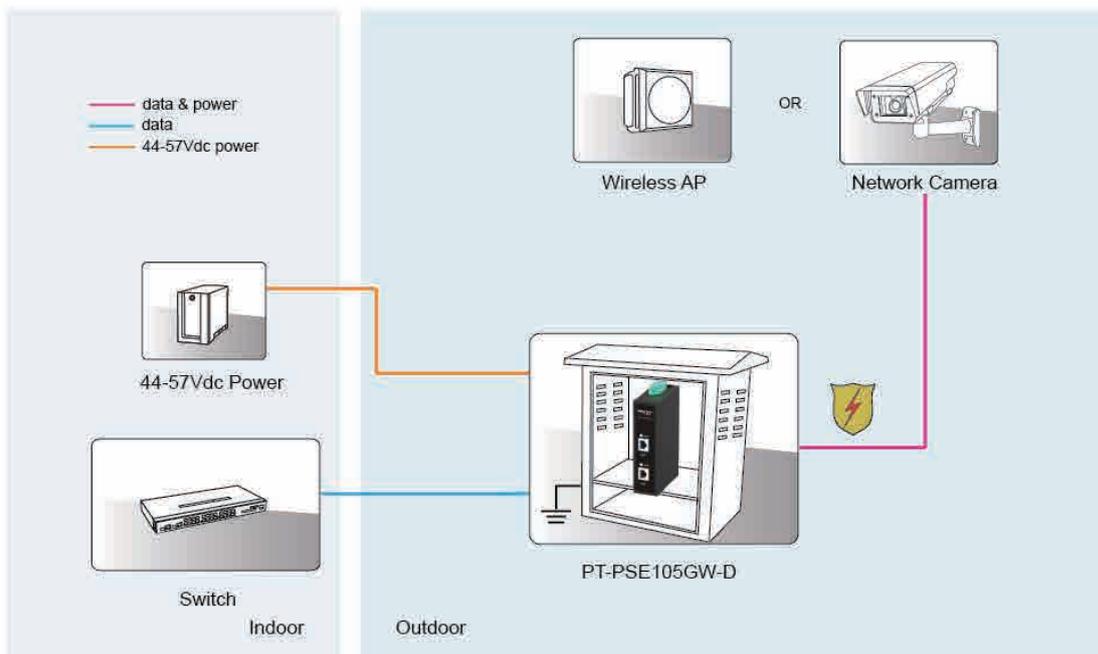


- 1. DC input indicator
- 2. LAN input port
- 3. PoE output port
- 4. PoE load indicator



- 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
- Support terminal equipment with IEEE802.3af/at/bt
- RoHS Compliance
- WEEE Compliance

### Input & Output

- Input :44-57Vdc
- Output: 44-57Vdc 60W, the output voltage follows input
- 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

### EMI

- FCC CFR47 Part 15, EN55024, EN55032

### EMS

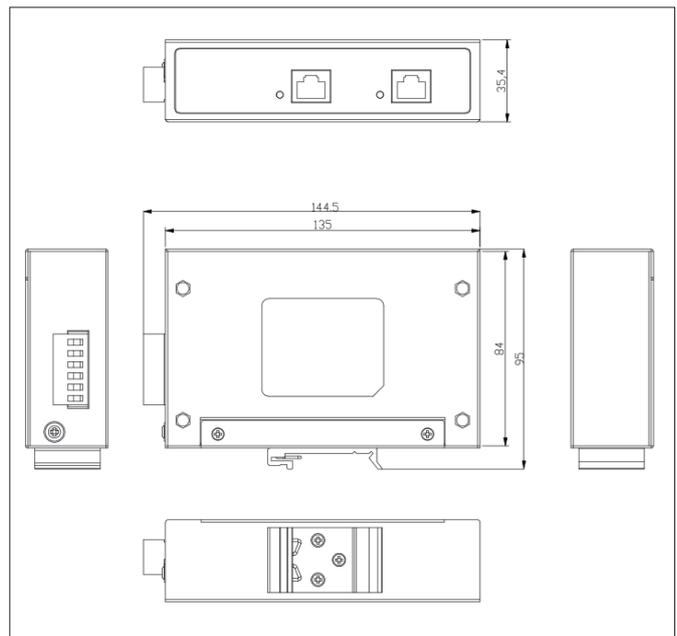
- IEC61000-4-2(ESD)  $\pm 6$ kV(contact),  $\pm 8$ kV(air)
- IEC61000-4-3(RS) 10V/m(80MHz~2GHz)
- IEC61000-4-4(EFT) Power Port:  $\pm 2$ kV; Data Port: $\pm 1$ kV
- IEC61000-4-5(Surge) Power Port: $\pm 1$ kV/DM,  $\pm 2$ kV/CM
- IEC61000-4-6(CS) 10V(150kHz~80MHz)

### 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-PSE105GWN-D 44-57Vdc /60W Output/1000Mbps/(4,5+,7,8-) & (1,2-, 3,6+)/Surge Protection/Passive

**Packing** PT-PSE105GWN-D  
Ground lug Wire: 16AWG  
Manual x 1