



**PT-PSE107GHRO-A-S**

**Wide-Temp SFP Fiber PoE Converter**

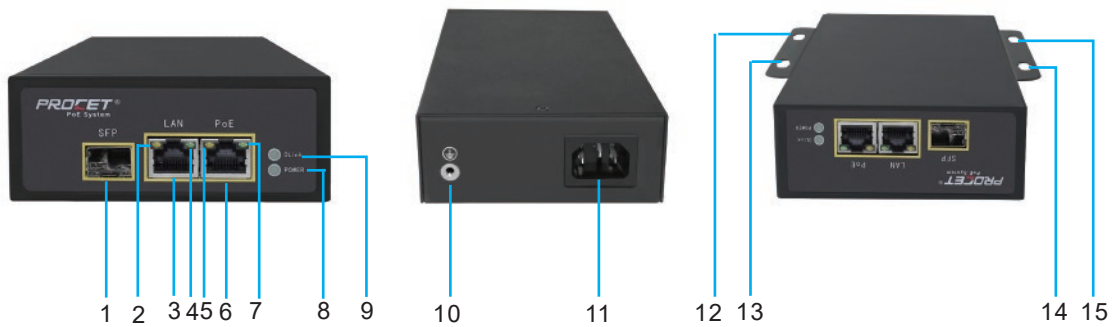
**Product Overview**

PT-PSE107GHRO-A-S is a single-port PoE converter injector with SFP fiber connection port. It provides 55Vdc, 1.36A power for remote PDs over full 4 pairs output with 4KV (10/700us) surge protection. It supports Gigabit device. It works for 75W 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. It works like a switch, data is interoperable among LAN port, PoE port and SFP port.

PT-PSE107GHRO-A-S 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.

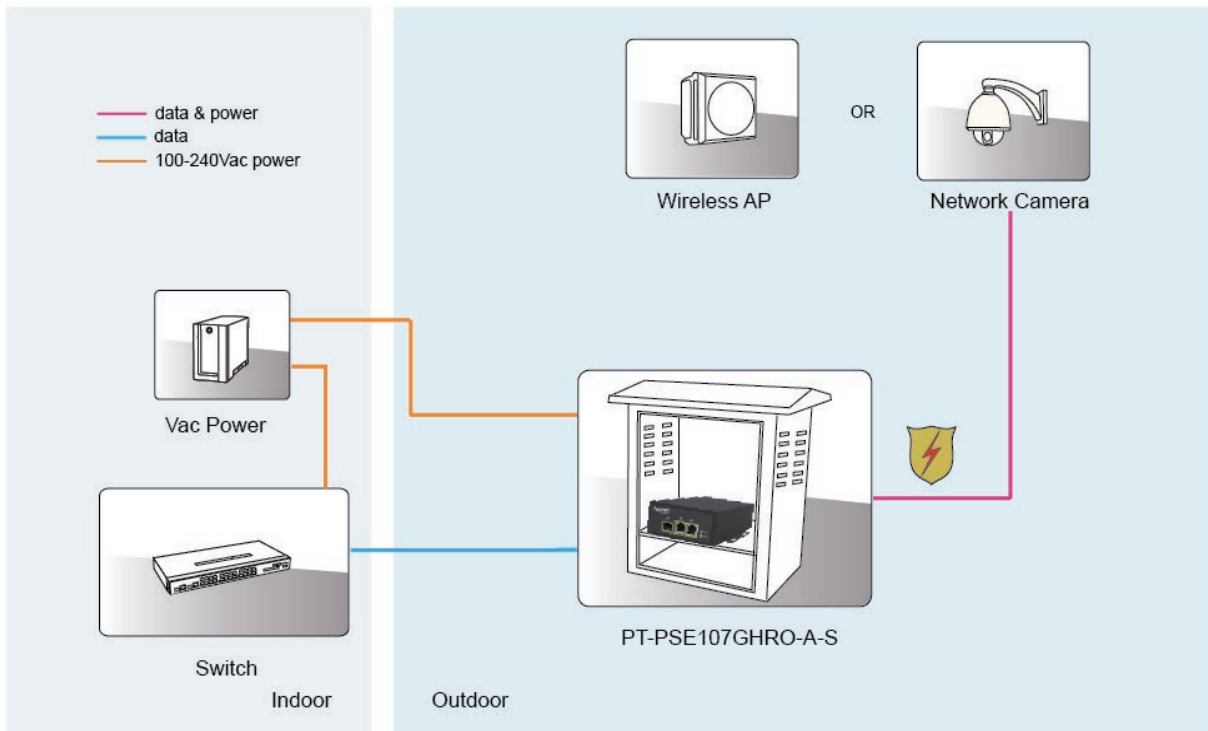
It has detection chip inside, which will detect and classify PD before powering it. It will not provide power until a standard-compliant PD is detected. The effective distance is 100 meters over Cat5e/Cat6 cables. It is specially suitable for working in complex power situations.

**Product Profile**



- |                               |                                |                            |
|-------------------------------|--------------------------------|----------------------------|
| 1. SFP: Fiber data input port | 5. PoE indicator               | 9. SFP fiber indicator     |
| 2. LAN data indicator         | 6. PoE: Data&Power output port | 10. Earth                  |
| 3. LAN: Data input port       | 7. PoE Load indicator          | 11. AC input port          |
| 4. Unused                     | 8. Power indicator             | 12,13,14,15. 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 1.5A 50/60Hz
- Output: 55Vdc 1360mA
- 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

### AC Surge Protection

- Line-Earth 1.2/50us (8/20us): 6KV
- Line-Line 1.2/50us (8/20us): 4KV

### PoE Surge Protection

- Protected line: 1,2,3,4,5,6,7,8
- Common mode surge protection(10/700us): 4KV
- Differential mode surge protection (10/700us): 1.5KV

### Mechanical Characteristics

- Case: Metal
- Color: Black
- Mounting: Wall-mounted
- IP Rated: IP20
- Size: 203mm X 130mm X 41mm
- Weight: 870g

### EMI

- FCC CFR47 Part 15, EN55032, EN55035

### EMS

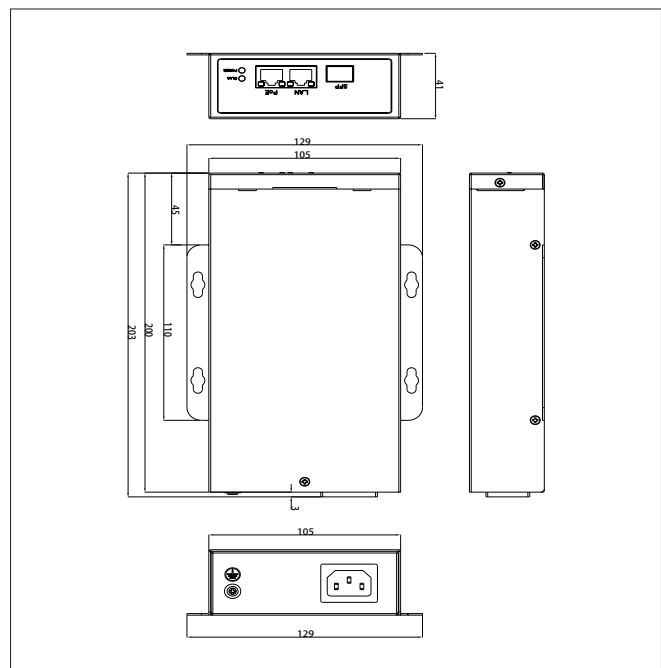
- IEC61000-4-2(ESD)  $\pm 6kV$ (contact),  $\pm 8kV$ (air)
- IEC61000-4-3(RS) 10V/m(80MHz~2GHz)
- IEC61000-4-4(EFT) Power Port:  $\pm 2kV$ ; Data Port: $\pm 1kV$
- IEC61000-4-5(Surge) Power Port: $\pm 1kV/DM$ ,  $\pm 2kV/CM$
- IEC61000-4-6(CS) 10V(150kHz~80MHz)

### Immunity

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

### LED Indicator

- Power indicator: Green
- Load active Indicator: Green
- SFP fiber indicator: Green
- LAN data indicator: Yellow



### Order Info.

PT-PSE107GHRO-A-S

55Vdc/1.36A/1000M/(4,5+,7,8-) and (3,6+,1,2-)/Surge Protection/Active

### Packing

PT-PSE107GHRO-A-S x 1  
Power Cord x 1 (Optional)  
Operation Manual x 1

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