



PT-PSE105GS-AC

AC Input 30W Fiber PoE Injector

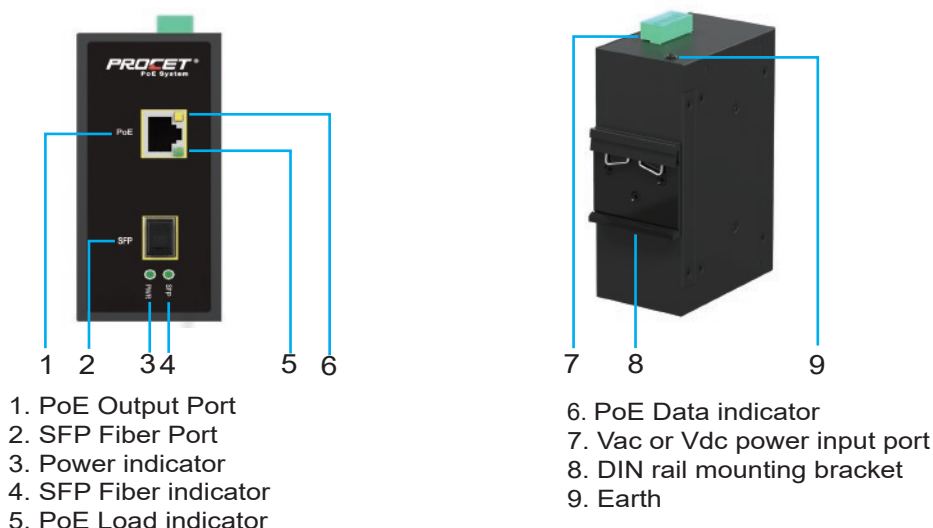
Product Overview

PT-PSE105GS-AC is a single port, industrial-scale PoE injector with fiber port. It provides 30W power for remote PDs over 2 pairs output with 6KV (10/700us) surge protection. It supports 1000Mbps of data speed. It works for 30W PoE PDs, such as wireless access points, network cameras, base station, Microwave radio and other high power Ethernet terminals. It fully complies to IEEE802.3at standard and compatible to use with any IEEE802.3af compliant terminals.

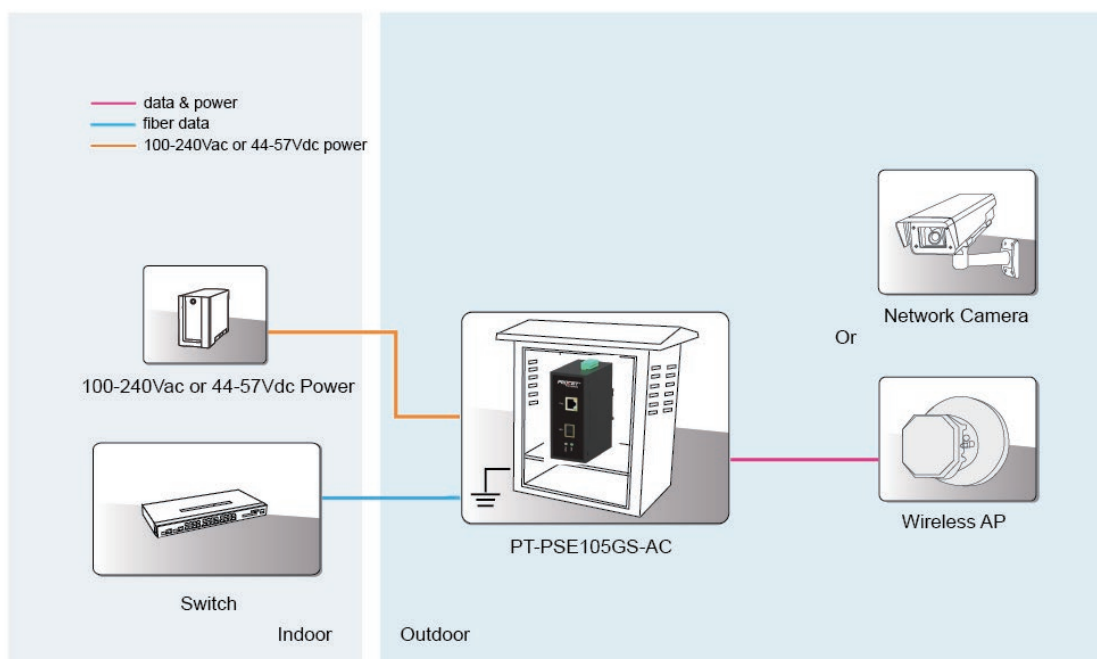
PT-PSE105GS-AC is designed for indoor use but can work outdoor by covered with waterproof case. It works with input voltage of 100-240Vac or 44-57Vdc and operates under -40 °C to 65 °C. It has detection chip inside, which will detect and classify PD before powering it. It will not apply power until a standard-compliant PD is detected. The effective distance is 100 meters over Cat5e/Cat6 cables. This model equipped standard DIN rail mounting bracket, which can easily jam into the guide rail.



Product Profile



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
- RoHS Compliance
- WEEE Compliance

Input & Output

- Input :100-240Vac or 44-57Vdc
- Output: 55Vdc 0.55A @100-240Vac input
44-55Vdc 30W @44-57Vdc input
- Power Pins: 4/5(+), 7/8(-)
- Data Speed: 10/100/1000BASE-T RJ45 Interfaces
1000BASE-X SFP Interfaces

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 104.2mm X 60mm
- Weight: 819g

LED Indicator

- Power Indicator : Green
- PoE Load Indicator : Green
- SFP Fiber Indicator: Green
- PoE Data Indicator: Yellow

Safety Approvals

- CE
- FCC
- IEC 62368

EMI

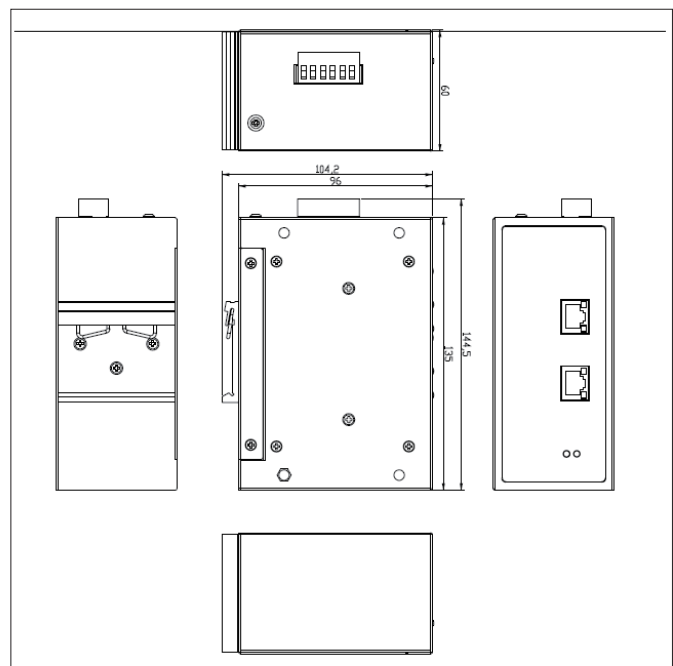
- FCC CFR47 Part 15, EN55032, EN55035

EMS

- IEC61000-4-2(ESD) $\pm 4\text{kV}$ (contact), $\pm 8\text{kV}$ (air)
- IEC61000-4-3(RS) 3V/m(80MHz~1000MHz)
- IEC61000-4-4(EFT) Power Port: $\pm 1\text{kV}$; Data Port: $\pm 0.5\text{kV}$
- IEC61000-4-5(Surge) Line to Line: $\pm 1\text{kV}$, Line to Earth: $\pm 2\text{kV}$
- IEC61000-4-6(CS) 3V(0.15MHz~10MHz)

Immunity

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



Order Info. PT-PSE105GS-AC

AC or DC Input/30W Output/1000Mbps/(4,5+,7,8-)/Surge Protection/Active

Packing

PT-PSE105GS-AC
Ground lug Wire: 16AWG
Manual x 1

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