![PROCET PoE System logo]

DC Input 30W Fiber PoE Injector

PT-PSE105GS-D

Product Overview

PT-PSE105GS-D 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 10/100/1000Mbps of data speed. It works for 30W PoE PDs, such as wireless access points, network cameras, VoIp phones and other high power Ethernet terminals. It fully compies to IEEE802.3at and also compatible and safe to use with any IEEE802.3af compliant terminals.

PT-PSE105GS-D is designed for indoor use but can work outdoor by covered with waterproof case. It works with input voltage of 44-57Vdc and operates under -40℃ to 65℃. 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 equiped standard DIN rail mounting bracket, which can easily jam into the guide rail.

Product Profile

1   2   3 4 5   6   7   8   9
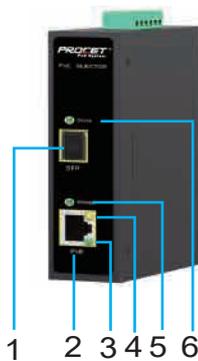
1. SFP Fiber port
2. PoE output port
3. PoE Load indicator
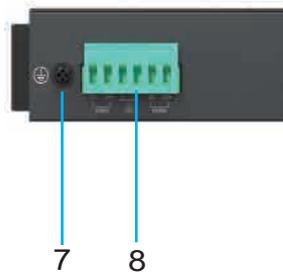
4. PoE Data indicator
5. Power indicator
6. SFP Fiber indicator

7. Earth
8. DC input port
9. DIN rail mounting bracket

Product Working Diagram

— data & power
— Fiber data
— 44-57Vdc power

Wireless AP   OR   Network Camera

44-57Vdc Power

Switch

Indoor   Outdoor

PT-PSE105GS-D
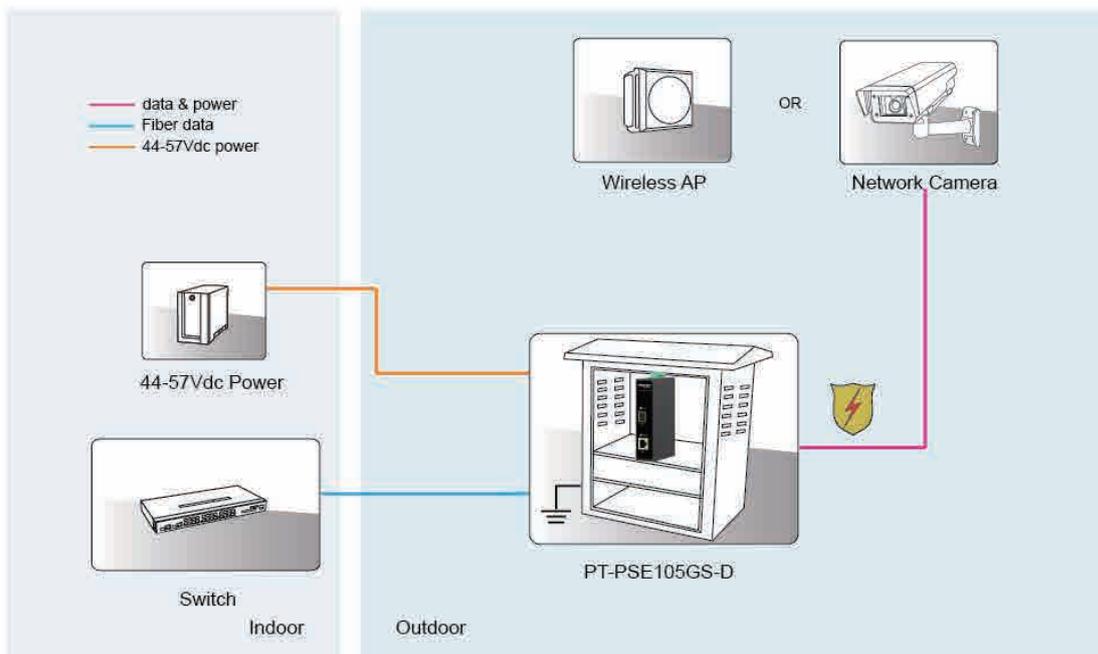
Specification

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 :44-57Vdc
- Output: 44-57Vdc, 30W, the output voltage follows input
- Power Pins: 4/5(+), 7/8(-)
- 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: 485g

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)

LED Indicator

- Power Indicator : Green
- PoE Load Indicator : Green
- SFP fiber indicator: Green
- PoE data indicator: Yellow
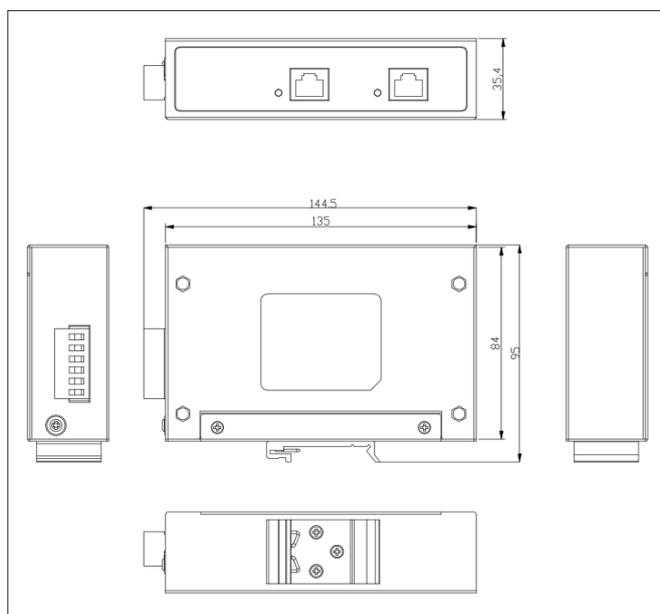
Order Info.

PT-PSE105GS-D   44-57Vdc/30W/1000Mbps/4,5(+),7,8(-) /Surge Protection/Active

Packing

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