



PT-PSE105GWS-D

DC to DC 60W Fiber BT PoE Injector

Product Overview

PT-PSE105GWS-D is a single-port, industrial-scale, PoE injector with fiber port. It provides 60W power for remote PDs over 4 pairs output with 6KV (10/700us) surge protection. 1 SFP uplink enable distance extension over fiber optic cabling to PoE Powered Devices (PDs), 1000Base-X to 10/100/1000Base-TX. It works for 60W PoE PD, such as wireless access points, network cameras, Voip phones and other high power Ethernet terminals. It is fully compliant with IEEE802.3bt standard and is backward compatible to IEEE 802.3af/at PoE standard.

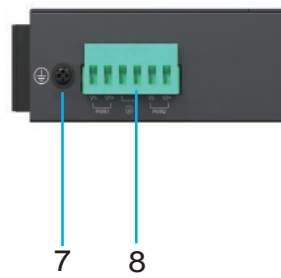
Designed for indoor use but can work outdoor by covered with waterproof case. Working with input voltage of 50-57 Vdc and operates under -40 °C to 65 °C. It has detecting chip inside, which will detect and classify PD before powering it. It will not apply power until a standard-compliant PD is detected. 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



- 1. SFP Fiber port
- 2. PoE output port
- 3. PoE Load indicator

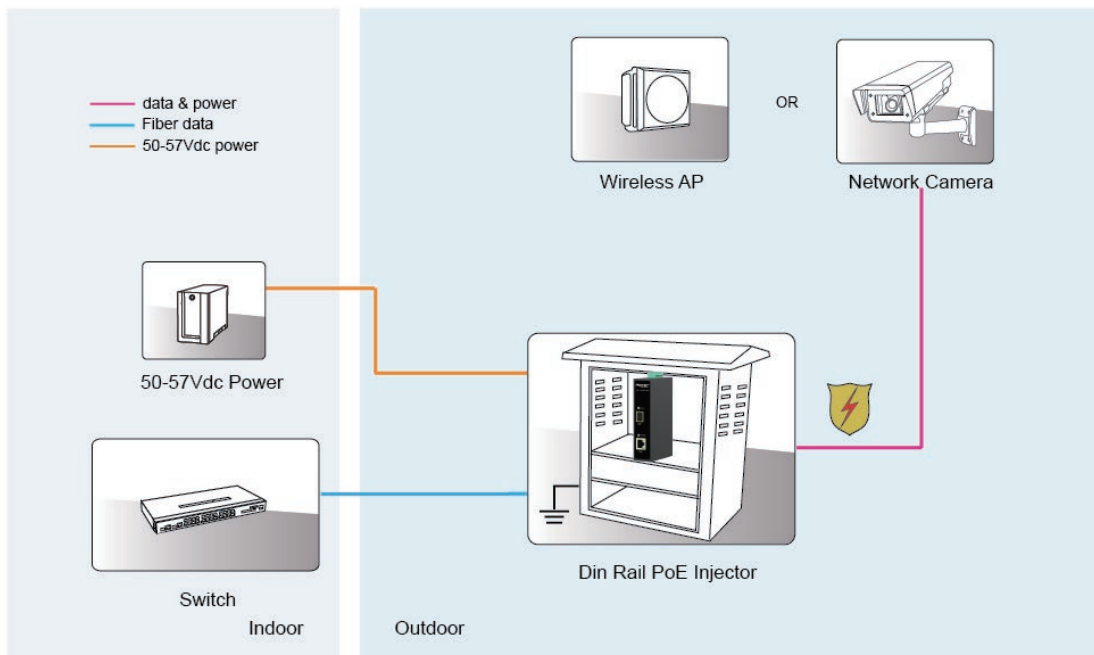


- 4. PoE Data indicator
- 5. Power indicator
- 6. SFP Fiber indicator



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

Product Working Diagram



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/bt
- RoHS Compliance
- WEEE Compliance

Input & Output

- Input :50-57Vdc 2.0A(Max)
- Output: 48-55Vdc, 1100mA
- Power Pins: 4/5(+), 7/8(-), 3/6(+), 1/2(-)
- 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 95mm X 35.4mm
- Weight: 485g

Safety Approvals

- CE

EMI

- FCC CFR47 Part 15, EN55024, EN55032

EMS

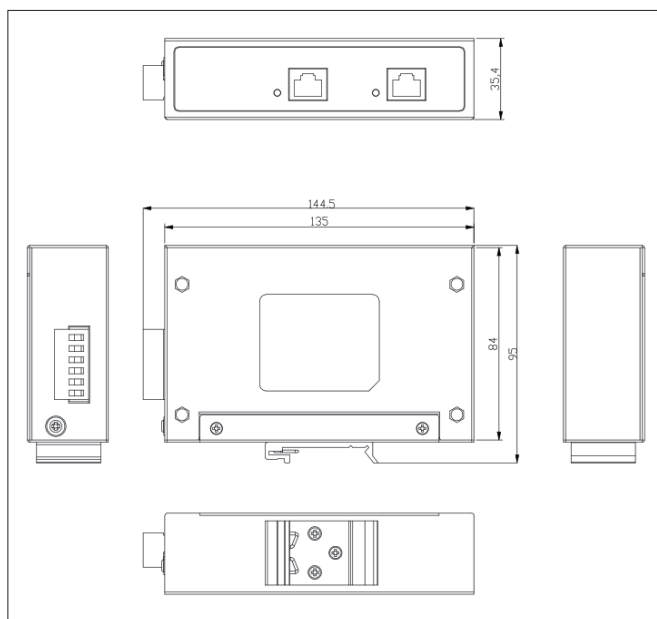
- IEC61000-4-2(ESD) ± 6kV(contact), ±8kV(air)
- IEC61000-4-3(RS) 10V/m(80MHz~2GHz)
- IEC61000-4-4(EFT) Power Port: ±2kV; Data Port:±1kV
- IEC61000-4-5(Surge) Power Port:±1kV/DM, ±2kV/CM
- IEC61000-4-6(CS) 10V(150kHz~80MHz)

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-PSE105GWS-D

50-57Vdc/60W/1000Mbps/4,5(+),7,8(-) 3,6(+),1,2(-) /Surge Protection/BT

Packing

PT-PSE105GWS-D
Ground lug Wire: 16AWG
Manual x 1