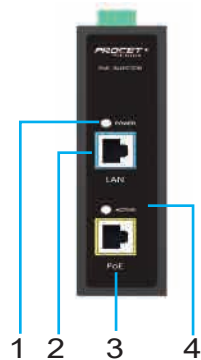# DC Input 95W Passive PoE Injector

PT-PSE105GBN-D

Product Overview

PT-PSE105GBN-D is a single-port, industrial-scale PoE injector. It provides 95W 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 95W 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, 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℃ to +65℃. The passive PoE will directly power PDs without detecting.

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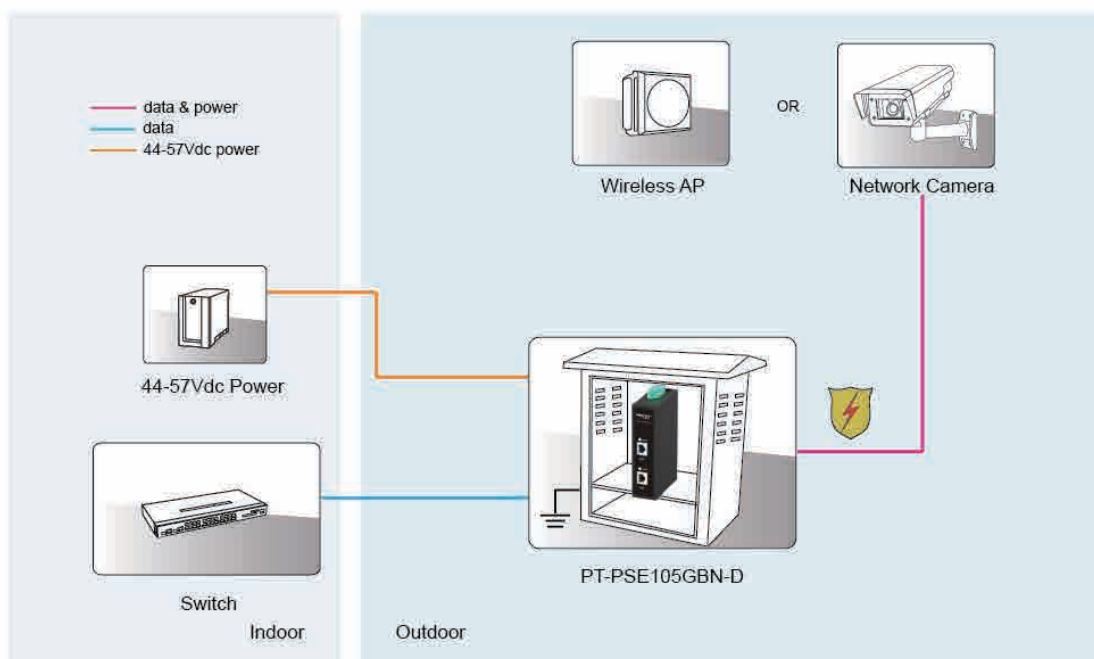
Product Profile

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

data & power
data
44-57Vdc power

Wireless AP   OR   Network Camera

44-57Vdc Power

Switch

PT-PSE105GBN-D

Indoor   Outdoor

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,PoE++
- RoHS Compliance
- WEEE Compliance

Input & Output

- Input :44-57Vdc
- Output: 44-57Vdc 95W, 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
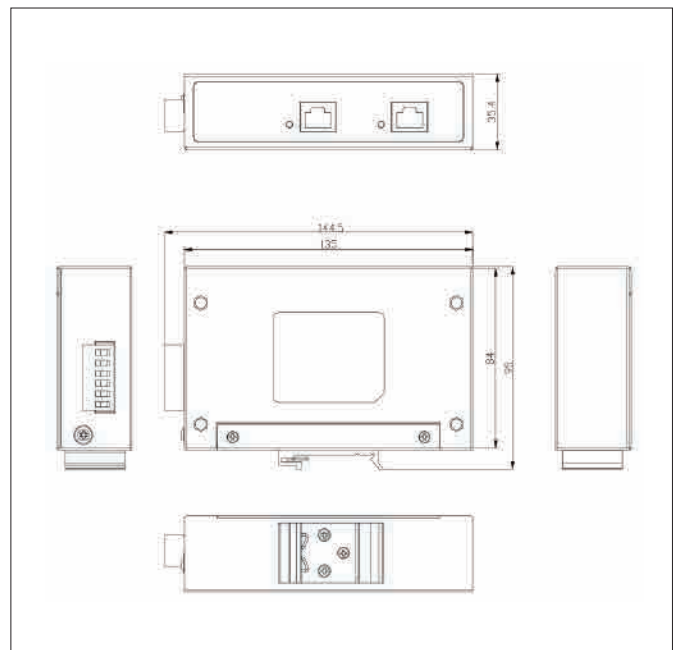
EMI

- FCC CFR47 Part 15, EN55024, EN55032

EMS

- IEC61000-4-2(ESD) ± 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 : Yellow

Order Info.

PT-PSE105GBN-D   44-57Vdc/95W Output/1000Mbps/(4,5+,7,8-) & (1,2-, 3,6+)/Surge Protection/Passive

Packing

PT-PSE105GBN-D
Ground lug Wire: 16AWG
Manual x 1