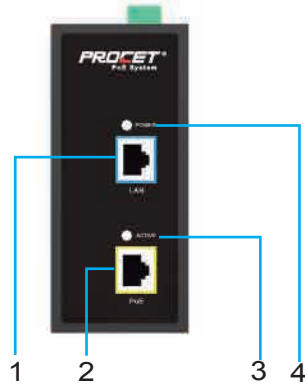# AC Input Industrial 60W 10G BT PoE Injector PT-PSE105GB-AC-10

Product Overview

PT-PSE105GB-AC-10 is a single port, industrial-scale PoE injector. It provides 60W power for remote PDs over 4 pairs output with 6KV (10/700us) surge protection. It supports not only 10/100/1000Mbps of data speed, but also 2.5GbE/5GbE/10GbE NBase-T. It works for 60W PoE PDs, such as wireless access points, network cameras, base station, Microwave radio and other high power Ethernet terminals.
It is fully compliant with IEEE802.3bt and also backward compatible to 802.3af/at standard.

PT-PSE105GB-AC-10 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℃ to 65℃. 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.
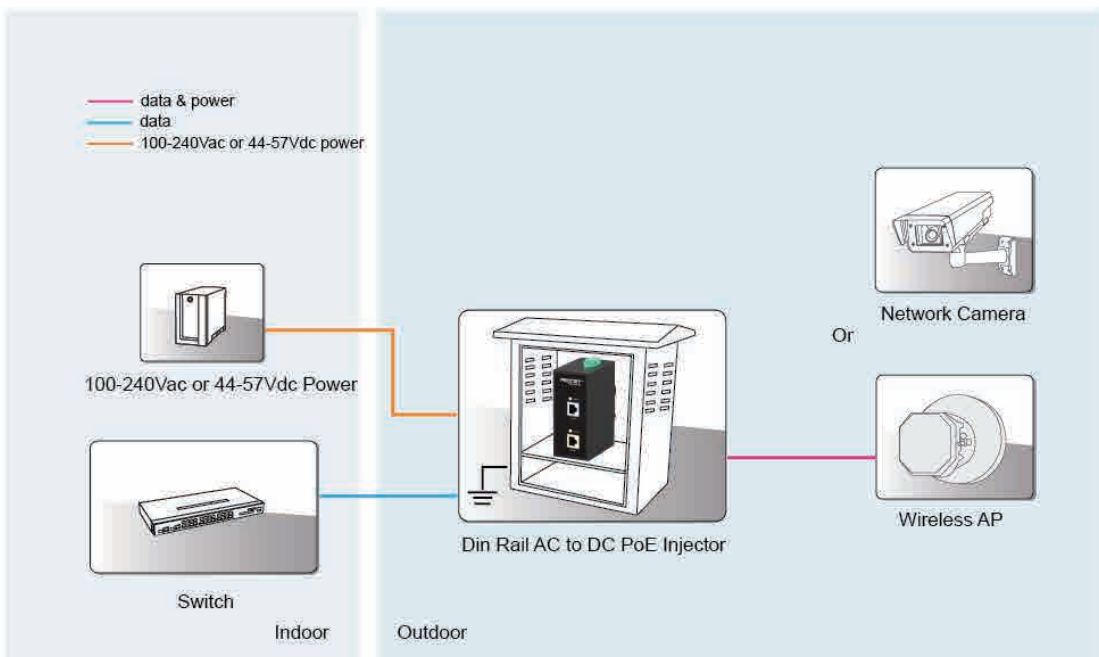
Product Profile

1 2 3 4	5 6 7

1. LAN: Data input port
2. PoE: Data&Power Output Port
3. PoE Load indicator
4. Power indicator

5. Vac or Vdc power input port
6. DIN rail mounting bracket
7. Earth

Product Working Diagram

— data & power
— data
— 100-240Vac or 44-57Vdc power

100-240Vac or 44-57Vdc Power

Switch

Indoor   Outdoor

Din Rail AC to DC PoE Injector

Network Camera

Or

Wireless AP

Specification

Standard

- IEEE802.3 10Base-T Ethernet
- IEEE802.3u 100Base-Tx Fast Ethernet
- IEEE802.3ab 1000Base-T Gigabit Ethernet
- IEEE802.3bz 2.5GbE/5GbE/10GbE NBASE-T
- Full compliant with IEEE802.3af/at/bt
- RoHS Compliance
- WEEE Compliance

Input & Output

- Input :100-240Vac or 44-57Vdc
- Output: 55Vdc 1.1A @100-240Vac input
           44-57Vdc 60W @44-57Vdc input
- Power Pins: 4/5(+), 7/8(-), 3/6(+), 1/2(-)
- Data Speed: 10/100/1000Mbps & 2.5/5/10GbE

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

EMI

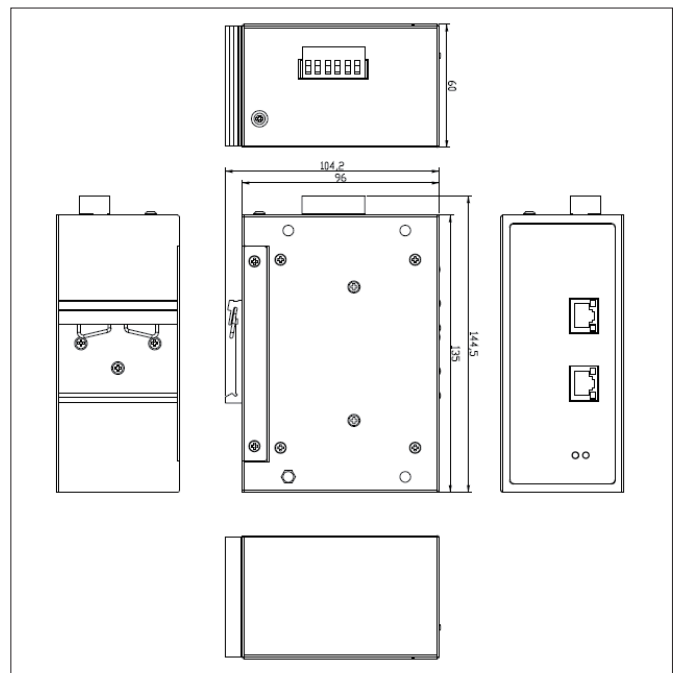- FCC CFR47 Part 15, EN55032, EN55035

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-PSE105GB-AC-10   AC or DC/60W/10G/4,5+,7,8-, 3,6+, 1,2- /Surge Protection/BT

Packing   PT-PSE105GB-AC-10
                   Ground lug Wire: 16AWG
                   Manual x 1