



PT-PSE105GBS-E

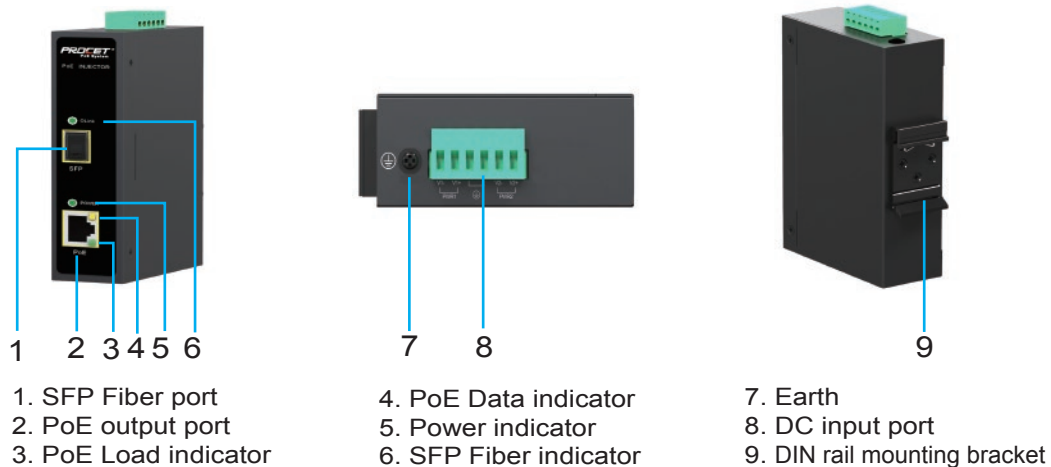
DC to DC Fiber 95W BT PoE Injector

Product Overview

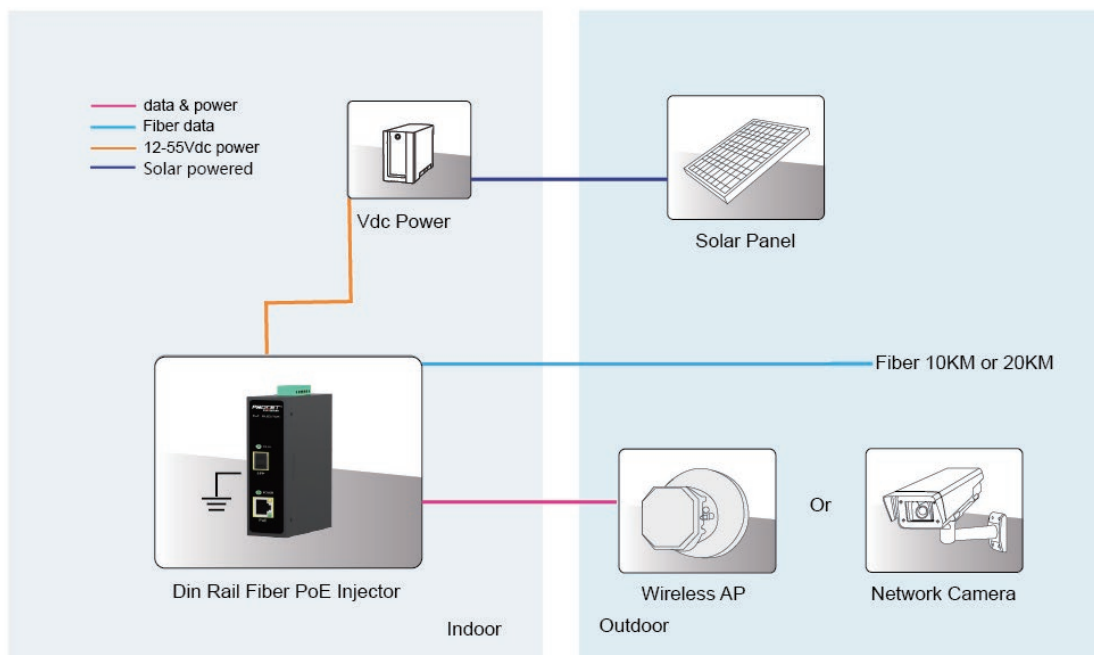
PT-PSE105GBS-E is a single-port, industrial-scale, boost PoE injector with fiber port. It provides 55Vdc, 1.75A power for remote PDs over full 4 pairs output with 6KV (10/700us) surge protection at 10/100/1000Mbps of data speed. It works for 95W PoE PDs, such as wireless access points, network cameras, Voip phones and other high power Ethernet terminals. It is fully compliant with IEEE802.3bt and also backward compatible to 802.3af/at standard. Equipped switch chip inside so that the PoE can work as a switch.

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 12-55Vdc makes it possible for solar application, 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.

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/bt
- RoHS Compliance
- WEEE Compliance

Input & Output

- Input :12-55Vdc 10.0A(Max)
- Output: 55Vdc 1750mA
- 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, EN55032, EN55035

EMS

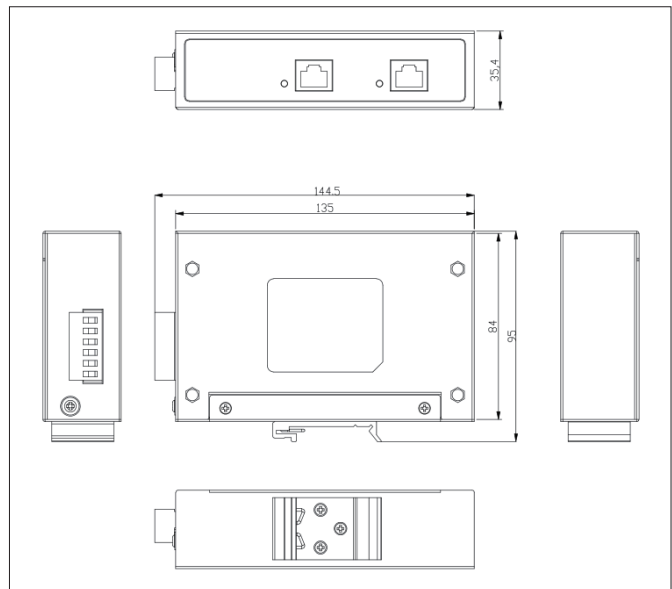
- IEC61000-4-2(ESD) $\pm 6\text{kV}$ (contact), $\pm 8\text{kV}$ (air)
- IEC61000-4-3(RS) 10V/m(80MHz~2GHz)
- IEC61000-4-4(EFT) Power Port: $\pm 2\text{kV}$; Data Port: $\pm 1\text{kV}$
- IEC61000-4-5(Surge) Power Port: $\pm 1\text{kV/DM}$, $\pm 2\text{kV/CM}$
- IEC61000-4-6(CS) 10V(150kHz~80MHz)

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-PSE105GBS-E

55Vdc/1.75A/1000Mbps/(4,5+,7,8-) & 3/6(+),1/2(-) /Surge Protection/BT

Packing

PT-PSE105GBS-E
Ground lug Wire: 16AWG
Manual x 1

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