



## PT-PSE105G-T-24

## IEEE802.3at to Passive PoE Converter

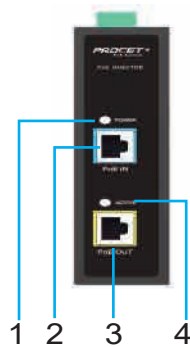
### Product Overview

PT-PSE105G-T-24 is a PoE converter, which has one PoE input port, one DC Input port and one PoE output port. It provides 24Vdc, 1.25A power for remote PDs over 2 pairs output with 4KV (10/700us) surge protection. It can also work as a PD, powered by IEEE802.3at PoE switch and then deliver 24Vdc, 1.05A to terminal device. It supports 10/100/1000 Mbps of data speed. It works for PoE PDs, such as wireless access points, network cameras and other power Ethernet terminals. It supports IEEE802.3af/at standard terminal devices.

PT-PSE105G-T-24 is designed for indoor use with electrical isolated design inside. It allows input voltage of 36-72Vdc and operates under -40 °C to 65 °C. It will directly power PDs without detection. 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

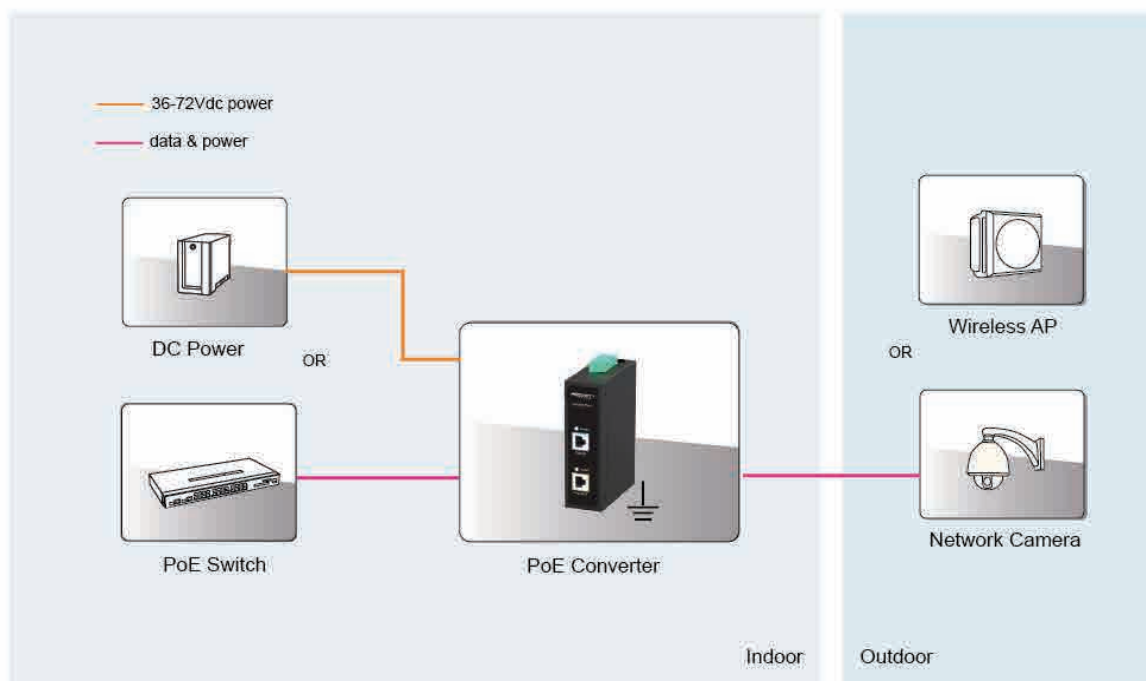


1. DC Input Indicator
2. PoE Input Port
3. PoE Output Port
4. PoE Load Indicator



5. DC Input Port
6. DIN Rail Mounting Bracket
7. Earth

### Product Working Diagram



## 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
- RoHS Compliance
- WEEE Compliance

### Input & Output

- Input :36-72Vdc or 802.3at
- Output: 24Vdc 1250mA @DC Input
- Output: 24Vdc 1050mA @802.3at 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): 4KV
- 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

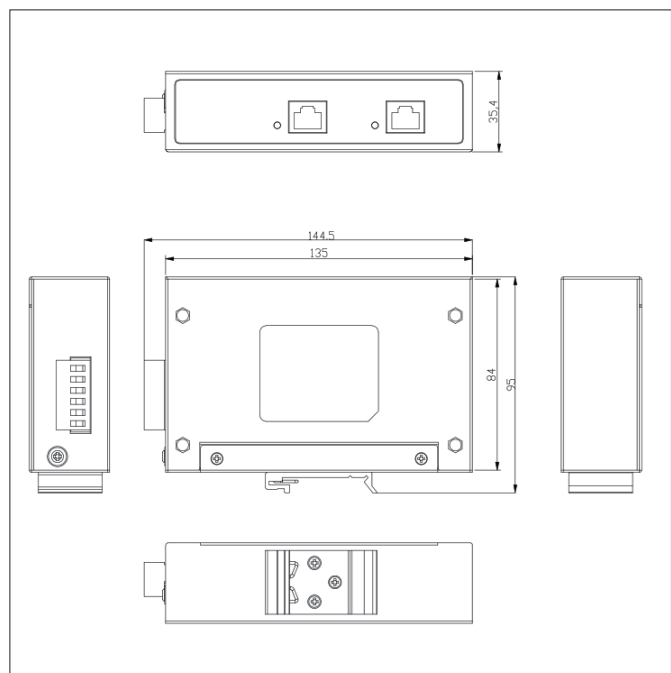
- IEC61000-4-2(ESD)  $\pm 6\text{kV}$ (contact),  $\pm 8\text{kV}$ (air)
- IEC61000-4-3(RS) 10V/m(80MHz~2GHz)
- IEC61000-4-4(EFT) Power Port:  $\pm 2\text{kV}$ ; Data Port: $\pm 1\text{kV}$
- IEC61000-4-5(Surge) Power Port: $\pm 1\text{kV/DM}$ ,  $\pm 2\text{kV/CM}$
- IEC61000-4-6(CS) 10V(150kHz~80MHz)

### Immunity

- IEC60068-2-6(Vibration)
- IEC60068-2-27(Impact)
- IEC60068-2-32(Free Fall)

### LED Indicator

- Power Indicator : Green
- PoE Load Indicator : Green



**Order Info.** PT-PSE105G-T-24

24Vdc/1.25A/1000Mbps/(4,5+,7,8-) /Surge Protection/Passive

### Packing

PT-PSE105G-T-24  
Ground lug Wire: 16AWG  
Manual x 1