



10G 95W 802.3bt PoE Injector

PT-PSE109GBTRO-A-10

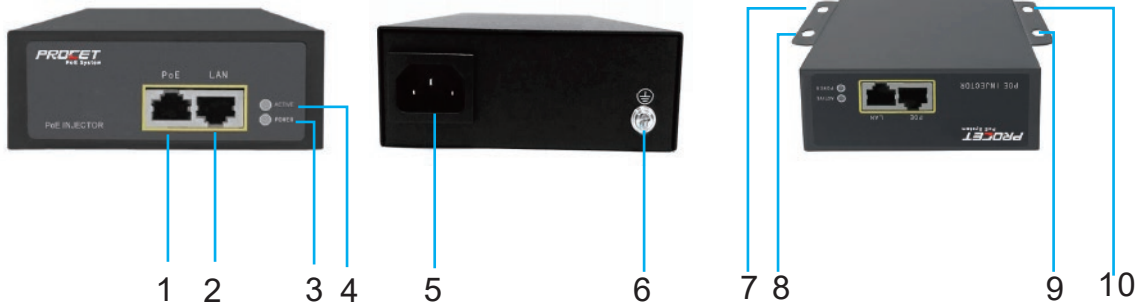
Product Overview

PT-PSE109GBTRO-A-10 is a single-port PoE Injector with wide-temperature. It provides 55Vdc, 1.75A power for remote PDs over full 4 pairs with 6KV (10/700us) surge protection. It supports data rates not only 10/100/1000 Mbps, but also 2.5GbE/5GbE/10GbE NBase-T. It works for 95W PoE PDs, such as wireless APs, Base Stations, high power cameras, Microwave Radios, Door Locks, Information kiosks and other high power Ethernet terminals. It complies to IEEE802.3bt standard and remains compatible with any IEEE802.3af/at compliant device.

PT-PSE109GBTRO-A-10 is designed for indoor use but can work outdoor by covered with waterproof case. It works with 100-240Vac input and operates under -40 °C to +65 °C. It has detection chip inside, which will detect and classify PD before powering it. It will not provide power until a standard compliant PD is detected. The effective distance is 100m over Cat5e/Cat6 cables. It is specially suitable for working in complex power situations.



Product Profile

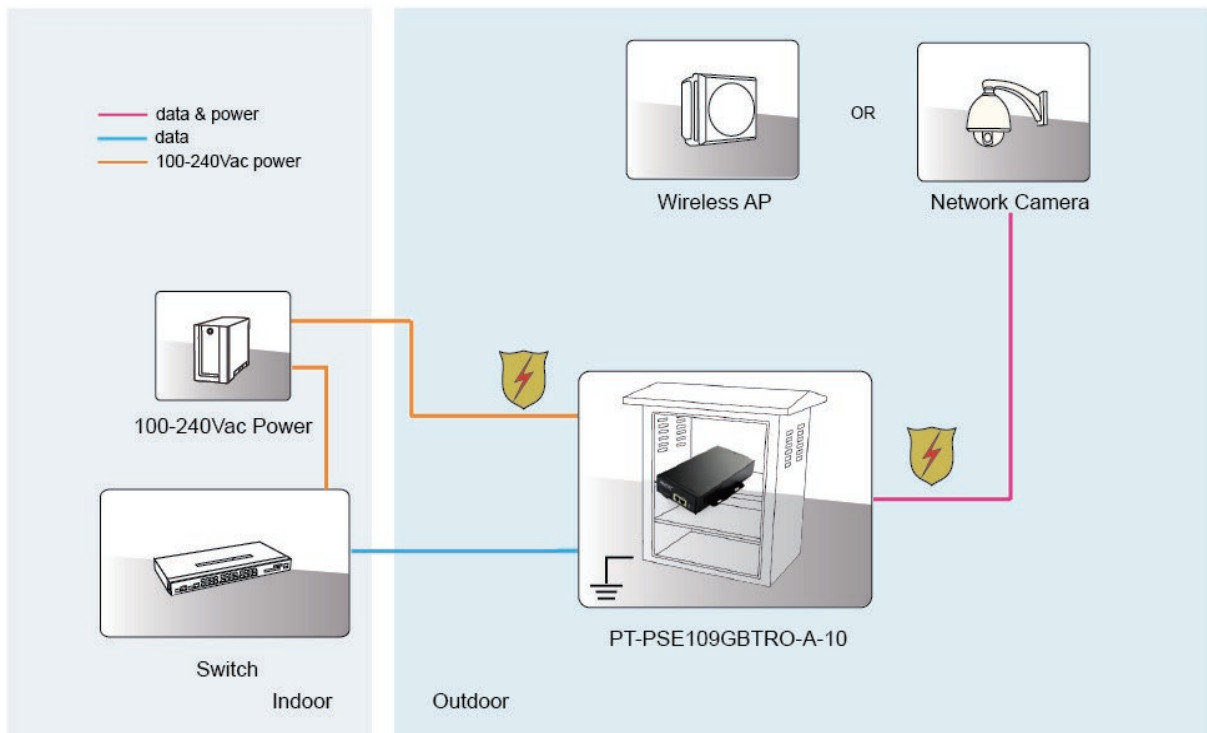


- 1. PoE: Data & Power Output Port
- 2. LAN: Data Input Port
- 3. Power Indicator

- 4. PoE Load Indicator
- 5. AC Power Input
- 6. Earth

- 7,8,9,10. Mounting Hole

Product Working Diagram



Specification

Standard

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

Input & Output

- Input :100-240Vac 2.0A 50/60Hz
- Output: 55Vdc 1750mA
- Power Pins: 4/5(+), 7/8(-) and 3/6(+),1/2(-)
- Data Speed: 10/100/1000Mbps& 2.5/5/10GbE

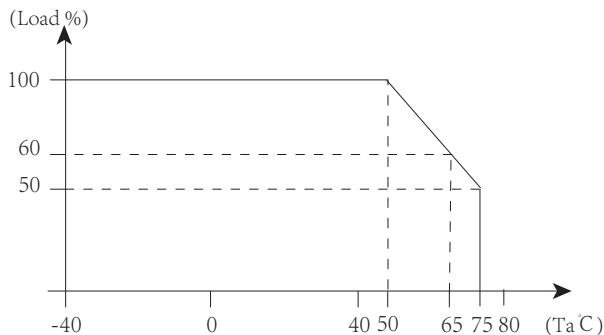
Working Environment

- Operating Temperature: -40 °C to 65 °C
- Operating Humidity: 20% to 80%, non-condensation
- Storage Temperature: -40 °C to 85 °C
- Storage Humidity: 10% to 90%, non-condensation
- Operating Altitude: up to 5000meters

LED Indicator

- Power Indicator: Green
- PoE Load Indicator: Green

Performance Data



Load Loss (%)@Temperature (°C)

Safety Approvals

- cUL/UL
- SAA
- Ukrain
- EAC
- CE
- RCM
- CB62368
- FCC
- UKCA
- CB60950

AC Surge Protection

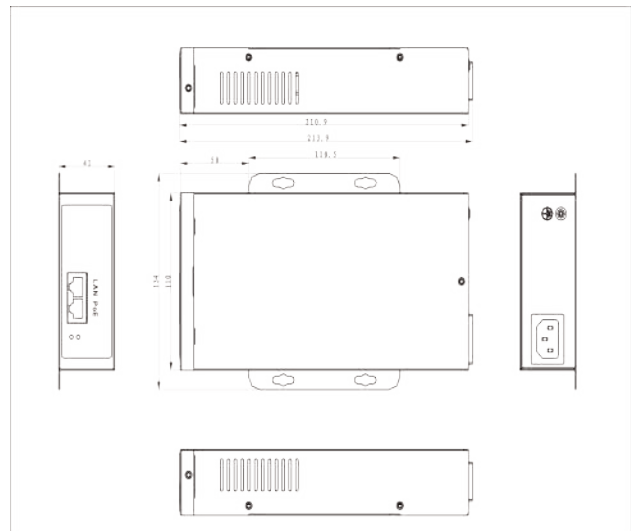
- Line-Earth 1.2/50us (8/20us): 6KV
- Line-Line 1.2/50us (8/20us): 4KV

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: Wall-mounted
- IP Rated: IP20
- Size: 214mm X 134mm X 41mm
- Weight: 1070g



Order Info.

PT-PSE109GBTRO-A-10 55Vdc/95W/10G bps/(4,5+,7,8-) and (3,6+,1,2-)/6KV Surge protection/BT

Packing

PT-PSE109GBTRO-A-10 x 1
Power Cord x 1 (Optional)
Operation Manual x 1