



PT-PSE109GBRO-AH-S

Industrial 83W SFP PoE Injector

Product Overview

PT-PSE109GBRO-AH-S is a single-port industrial PoE Injector with SFP fiber connection port. It is specially designed for complex backhaul and networking applications. It provides 55Vdc, 1.5A power for remote PDs over full 4 pair output with lightning surge protection. It supports 1000Mbps(Gigabit) device.

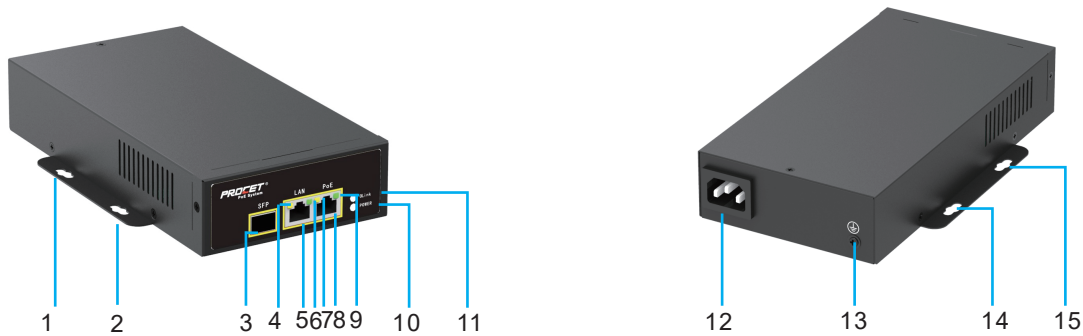
The PoE output port support IEEE802.3af/at, PoE++, standard making it compatible with PoE, PoE+, PoE++ devices, such as wireless APs, IP cameras, VoIP phones, base stations, door locks, displays, POS, information kiosks and other high-power Ethernet backhaul devices.

PT-PSE109GBRO-AH-S 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 works like a switch, data is interoperable among LAN port, PoE port and SFP port.

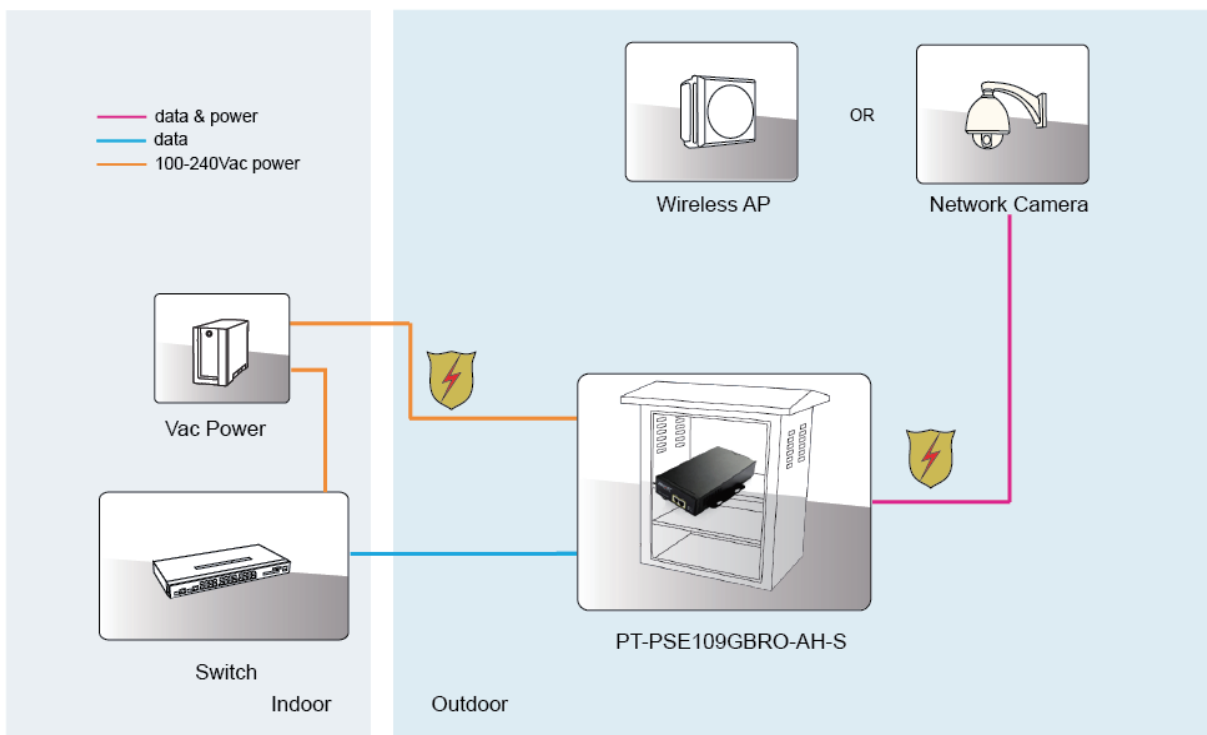
It is easy to install with 4 mounting holes.

Product Profile



- | | | |
|-------------------------------|--------------------------------|--------------------------|
| 3. SFP: Fiber data input port | 7. PoE data indicator | 11. SFP fiber indicator |
| 4. LAN data indicator | 8. PoE: Data&Power output port | 12. AC input port |
| 5. LAN: Data input port | 9. PoE Load indicator | 13. Earth |
| 6. Unused | 10. Power indicator | 1,2,14,15. mounting hole |

Product Working Diagram



Specification

Standard

- IEEE802.3ab 1000Base-T Gigabit Ethernet
- Full compliant with IEEE802.3af/at, PoE++
- RoHS Compliance
- WEEE Compliance

Input & Output

- Input :100-240Vac 2.0A 50/60Hz
- Output: 55Vdc 1500mA
- Power Pins: 4/5(+), 7/8(-) and 3/6(+),1/2(-)
- Data Speed: 10/100/1000BASE-T RJ45 Interfaces
1000BASE-X SFP Interfaces

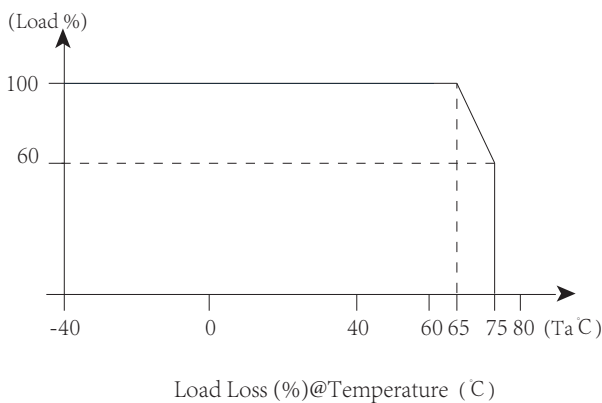
Working Environment

- Operating Temperature: -40°C to 65°C
- Operating Humidity: 20% to 90%, non-condensation
- Storage Temperature: -40°C to 85°C
- Storage Humidity: 10% to 90%, non-condensation
- Operating Altitude: up to 10,000 ft

LED Indicator

- Power indicator: Green
- Load active Indicator: Green
- SFP fiber indicator: Green
- LAN data indicator: Yellow
- PoE data indicator: Yellow

Performance Data



Safety Approvals

- | | | | |
|----------|-------|----------|-------|
| - cUL/UL | - CE | - FCC | - PSE |
| - KC | - SAA | - ST | - CM |
| - RCM | - PSB | - CCC | - LOA |
| - NOM | - SII | - Ukrain | - CB |
| - BSMI | - EAC | - BIS | |

AC Surge Protection

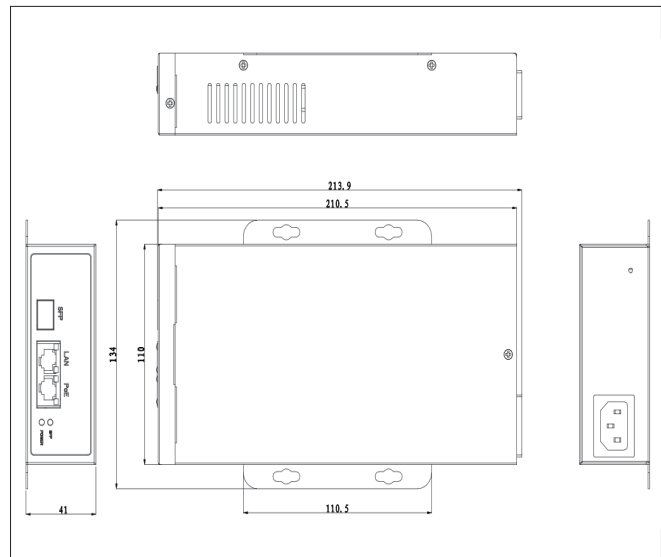
- Line-Earth 1.2/50us (8/20us): 6KV
- Line-Line 1.2/50us (8/20us): 4KV

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): 6KV

Mechanical Characteristics

- Case: Metal
- Color: Black
- Mounting: Wall-mounted
- IP Rated: IP20
- Size: 213.9mm X 134.0mm X 41.0mm
- Weight: 1104g



Order Info.

PT-PSE109GBRO-AH-S 55Vdc/1.5A/1000Mbps/(4,5+,7,8-) and (3,6+,1,2-)/Surge Protection/Active

Packing

PT-PSE109GBRO-AH-S x 1
Power Cord x 1 (Optional)
Operation Manual x 1

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