



## Industrial 95W 10G SFP PoE Injector

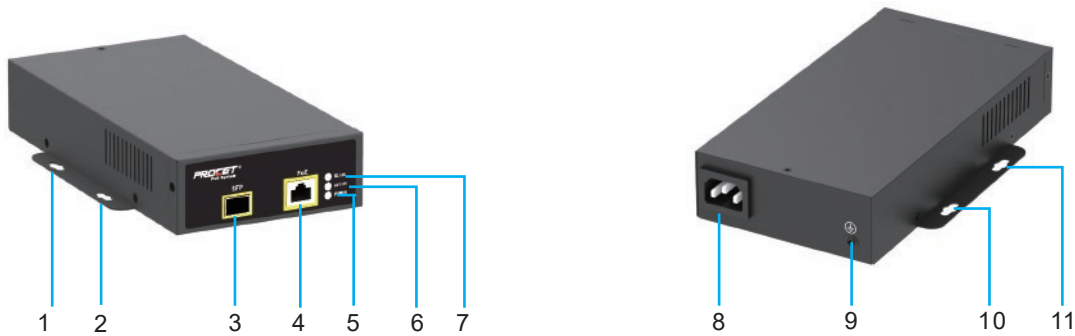
**PT-PSE109GBRO-10S**

### Product Overview

PT-PSE109GBRO-10S is an industrial media converter with PoE functionality which can be used as PoE Injector offers a unique solution to powering long range installations, where the data input comes over 10G fiber, such as special scenarios, like highway side, exurb applications. Enclosed in an IP20 high-impact metal case. Equipped Chipset inside, it works as a PoE switch. It works with a wide input voltage of 100-240Vac under wide operating temperature of -40°C to 65°C. There are wall mounting tabs on either side of it

After negotiating 802.3af/at/PoE++ standard PoE, the single PoE output port delivers 55Vdc, 1.75A up to 95W power with 6KV surge protection for remote PDs over 4 Pair at 10/100/1000Mbps and 2.5G/5G/10G data rates. Low power devices receive only the power they need. It fully complies with PoE++ and remains compatible with any IEEE802.3af/at compliant devices, such as Wi-fi 6, wireless APs, Microwave radio, IoT application, door locks, IP Cameras, information kiosks and other PoE devices.

### Product Profile

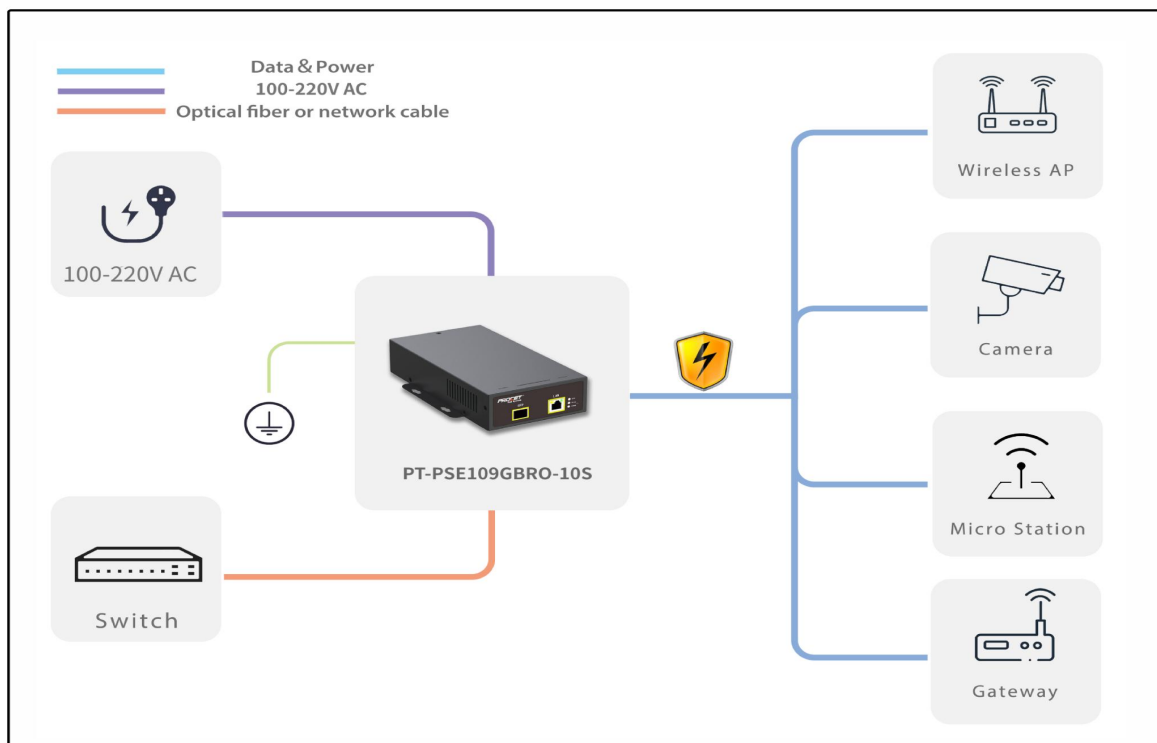


3. SFP: Fiber data input port  
4. PoE: Data&Power output port  
5. Power indicator

6. PoE Load indicator  
7. SFP fiber indicator

8. AC input port  
9. Earth  
1,2,10,11. mounting hole

### Product Working Diagram



## Specification

### Standard

- IEEE 802.3u 100BaseTX Fast Ethernet
- IEEE802.3ab 1000Base-T Gigabit Ethernet
- IEEE 802.3bz 2.5G/5GBase-T
- IEEE 802.3an 10GBase\_t
- IEEE 802.3ae 10Gbps Ethernet
- Full compliant with IEEE802.3af/at, PoE++
- RoHS Compliance
- WEEE Compliance

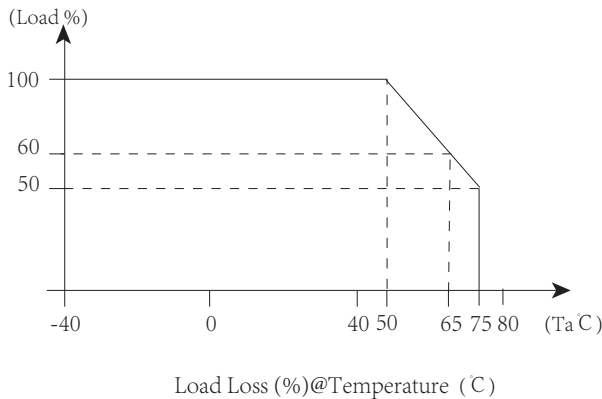
### Input & Output

- Input :100-240Vac 2.0A 50/60Hz
- Output: 55Vdc 1750mA
- Power Pins: 4/5(+), 7/8(-) and 3/6(+), 1/2(-)
- Data Speed:10GBASE-X SFP+ slot
- 10G/5G/2.5G/1G BASE-T auto-negotiation RJ45 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 5000 meters

### Performance Data



### LED Indicator

- Power indicator: Green
- Load active Indicator: Green
- SFP fiber indicator: Green

### AC Surge Protection

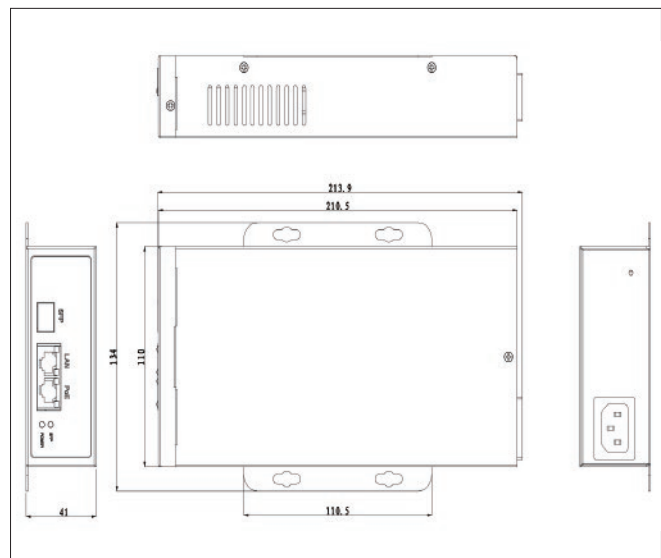
- Line-Earth 1.2/50us (8/20us): 2KV
- Line-Line 1.2/50us (8/20us): 1KV

### 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: 213.9mm X 134.0mm X 41.0mm
- Weight: 1104g



### Order Info.

PT-PSE109GBRO-10S 55Vdc/1.75A/10G Fiber/(4,5+,7,8-) and (3,6+,1,2-)Surge Protection/Active

### Packing

PT-PSE109GBRO-10S x 1  
 Power Cord x 1 (Optional)  
 Ground lug Wire: 16AWG  
 Operation Manual x 1

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