Outdoor Fiber 95W SFP+ PoE Converter
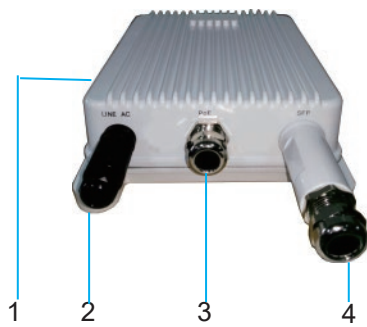
PT-PSE108GBRS-OT-10

Product Overview

PT-PSE108GBRS-OT-10 is an outdoor rated SFP+ 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. Speciall designed for exterior, complex back-haul and networking applications, special scenarios, like highway side, exurb, etc.
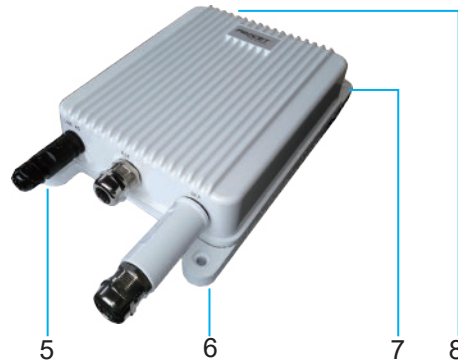
Enclosed in a IP67 reflective Aluminum case with a sealing that gasket passes tension, bearing, corrosion, and aging test for IP67 applications. Pass salt spray resistance test Including 1 AC input port, 1 SFP+ port at 10GBASE-X and 1 PoE output ports with 6KV (10/700us) surge protection.

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. The effective distance is 100 meters over Cat5e/Cat6 cables. 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. Operates under -40℃ to +65℃.

Easily to install with installation kit (Sold separately), no need to open the equipment.
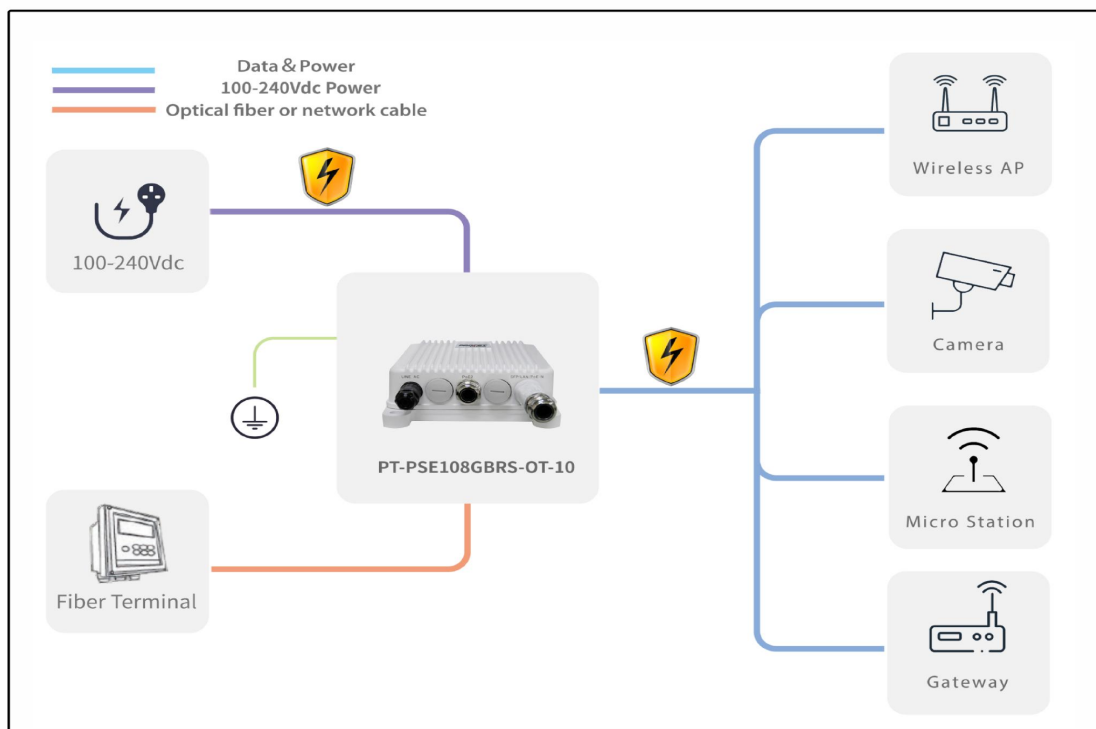
Product Profile

1   2   3   4

5   6   7   8

1. Earth
2. LINE AC: AC Power Input Port
3. PoE: Data&Power Output Port

4. SFP: Data Input Port
5,6,7,8. Mounting Hole

Product Working Diagram

Data & Power
100-240Vdc Power
Optical fiber or network cable

100-240Vdc

PT-PSE108GBRS-OT-10

Fiber Terminal

Wireless AP

Camera

Micro Station

Gateway

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: 3/6(+), 1/2(-), 4/5(+), 7/8(-)
- Data Speed: 10GBASE-X SFP+ slot
10G/5G/2.5G/1G BASE-T auto-negotiation RJ45 Interfaces

Working Environment

- Operating Temperature: -40℃ to 65℃
- Operating Humidity: 20% to 80%, non-condensation
- Storage Temperature: -40℃ to 85℃
- Storage Humidity: 10% to 95%, non-condensation
- Operating Altitude: up to 5000meters

AC Surge Protection

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

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
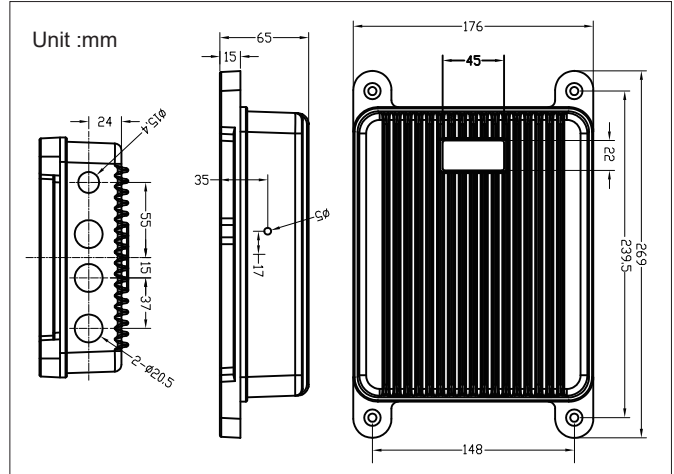
EMI

- FCC CFR47 Part 15, EN55024, EN55032

EMS

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

Immunity

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

Mechanical Characteristics

- Case: Aluminum
- Color: White
- Mounting: Wall-mounted/Pole-mounted
- IP Rated: IP67
- Size: 176mm X 269mm X 65mm
- Weight: 1.8kg

Order Info. PT-PSE108GBRS-OT-10   55Vdc/1.175/10G Fiber/3,6(+), 1,2(-), 4,5(+), 7,8(-)/Surge Protection/IP67

Packing   PT-PSE108GBRS-OT-10
Manual x 1

Option   PT-POT-MBK   Outdoor installation Kit(Sold separetely)