



Outdoor 10G Fiber 60W PoE Switch

PT-POS201GWRF-OT-10

Product Overview

PT-POS201GWRF-OT-10 is an outdoor rated PoE switch specially designed for exterior, complex backhaul and networking applications, special scenarios, like highway side, exurb, etc.

Enclosed in a IP67 Reflective metal 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+ 10G fiber slot and 1 PoE output port with 6KV (10/700us) surge protection, provides 55Vdc, 1.1A power for remote PDs over 4 pairs at 10/100/1000Mbps and 2.5G/5G/10G data rates. Easily to install with installation kit (Sold separately), no need to open the equipment.

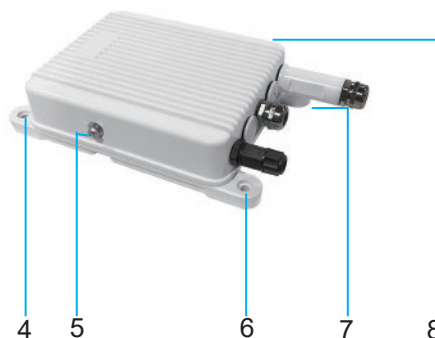
Designed for outdoor applications. It works with wide input voltage of 100-240Vac and operates under -40 °C to +65 °C. Equipped detecting chip inside, which will detect and classify PD before powering it. It will not provide power until a standard-compliant PD is detected. The effective distance is 100 meters over Cat5e/Cat6 cables.

It is compliant with PoE++ standard and backward compatible with 802.3af/at. Power for wireless APs, network camera, VoIP phone, base stations, and other high power Ethernet terminals.

Product Profile

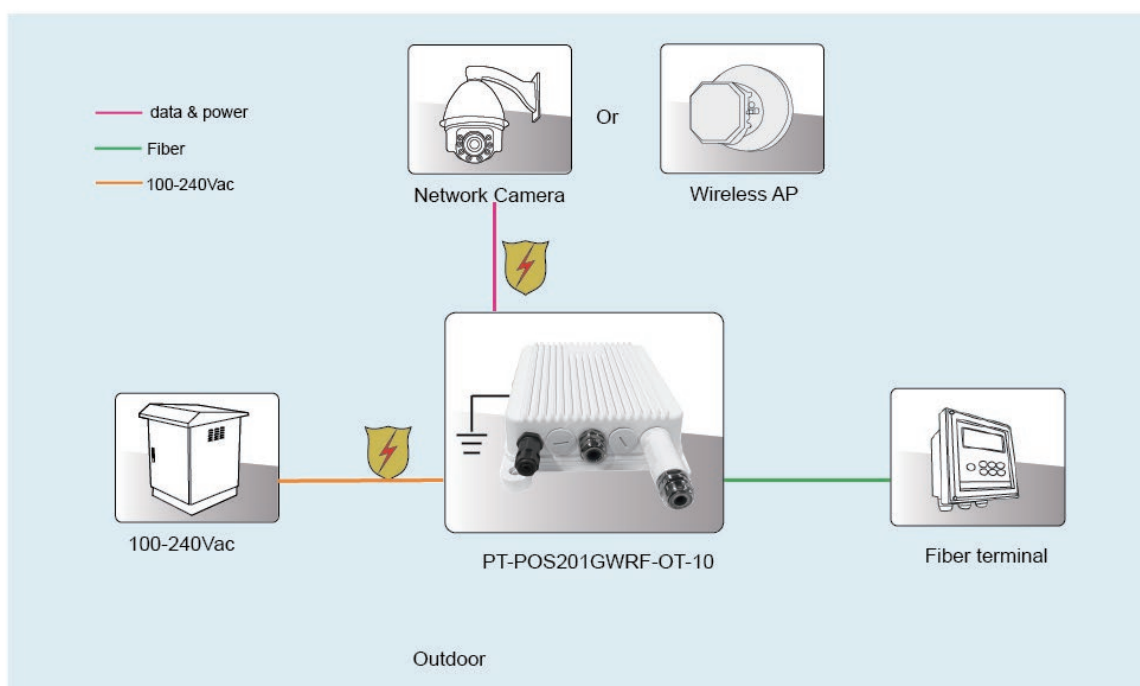


- 1. LINE AC: AC Power Input Port
- 2. PoE: Data&Power Output Port
- 3. SFP: Data Input Port



- 5. Earth
- 4,6,7,8. Mounting Hole

Product Working Diagram



Specification

Standard

- IEEE802.3 10Base-T Ethernet
- IEEE802.3u 100Base-Tx 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
- Compliant with IEEE802.3af/at/PoE++
- RoHS Compliance
- WEEE Compliance

Input & Output

- Input :100-240Vac 2.0A 50/60Hz
- Output: 55Vdc 1100mA
- 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 °C to 65 °C
- Operating Humidity: 20% to 90%, non-condensation
- Storage Temperature: -40 °C to 85 °C
- Storage Humidity: 10% to 95%, non-condensation
- Operating Altitude: up to 5000meters

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

EMI

- FCC CFR47 Part 15, EN55032, EN55035

EMS

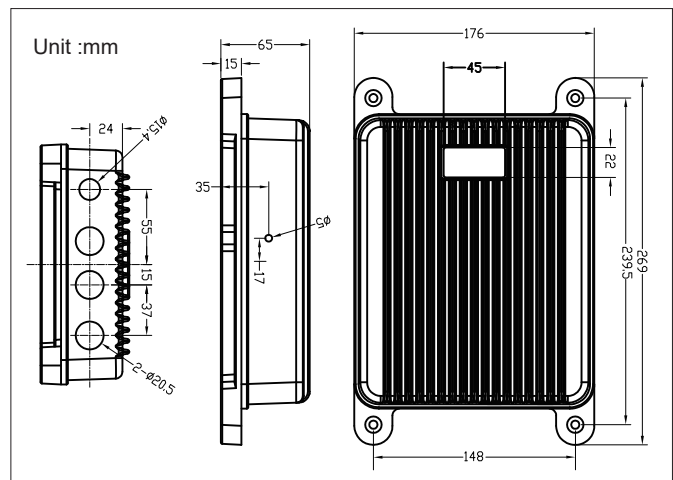
- IEC61000-4-2(ESD) $\pm 4\text{kV}$ (contact), $\pm 8\text{kV}$ (air)
- IEC61000-4-3(RS) 3V/m (80MHz~1000MHz)
- IEC61000-4-4(EFT) Power Port: $\pm 1\text{kV}$; Data Port: $\pm 0.5\text{kV}$
- IEC61000-4-5(Surge) Line to Line: $\pm 1\text{kV}$, Line to Earth: $\pm 2\text{kV}$
- IEC61000-4-6(CS) 3V (0.15MHz~10MHz)

Immunity

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

Mechanical Characteristics

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



Order Info. PT-POS201GWRF-OT-10

55Vdc/1.1A/10G/3,6(+), 1,2(-), 4,5(+), 7,8(-)/Surge Protection/IP67/Active

Packing PT-POS201GWRF-OT-10
Manual x 1

Option PT-POT-MBK

Outdoor installation Kit

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