![PROCET PoE System logo]

# Outdoor 4-port PoE to PoE Switch

# PT-POS401GR-OT-D

## Product Overview

PT-POS401-OT-D is an outdoor rated switch specially designed for exterior, complex backhaul and networking applications.

Enclosed in an IP67 Reflective Aluminum alloy case with a sealing that gasket passes tension, bearing, corrosion, and aging test for IP67 applications, this 4-port 10/100/1000Mbps switch includes: 1 x PoE powered input port with PoE++ and 3 x PoE output ports with 6KV (10/700us) surge protection. Each PoE output port delivers 55Vdc, 0.55A power for remote PDs, the total power budget is up to 95W(max).
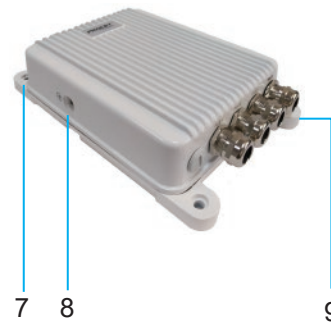
PT-POS401GR-OT-D is designed for outdoor using,which is powered by ultra PoE. It works with input voltage of 44-57Vdc and operates under -40℃ to +65℃. It has detection chip inside, which will detect and classify PD before powering it. It will not provide power until a standard-compliant PD is detected.The effective distance is 100 meters over Cat5e/Cat6 cables.

It is specially suitable for working in complex power situations. It is easy to install with installation kit PT-POT-MBK, no need to open the equipment.
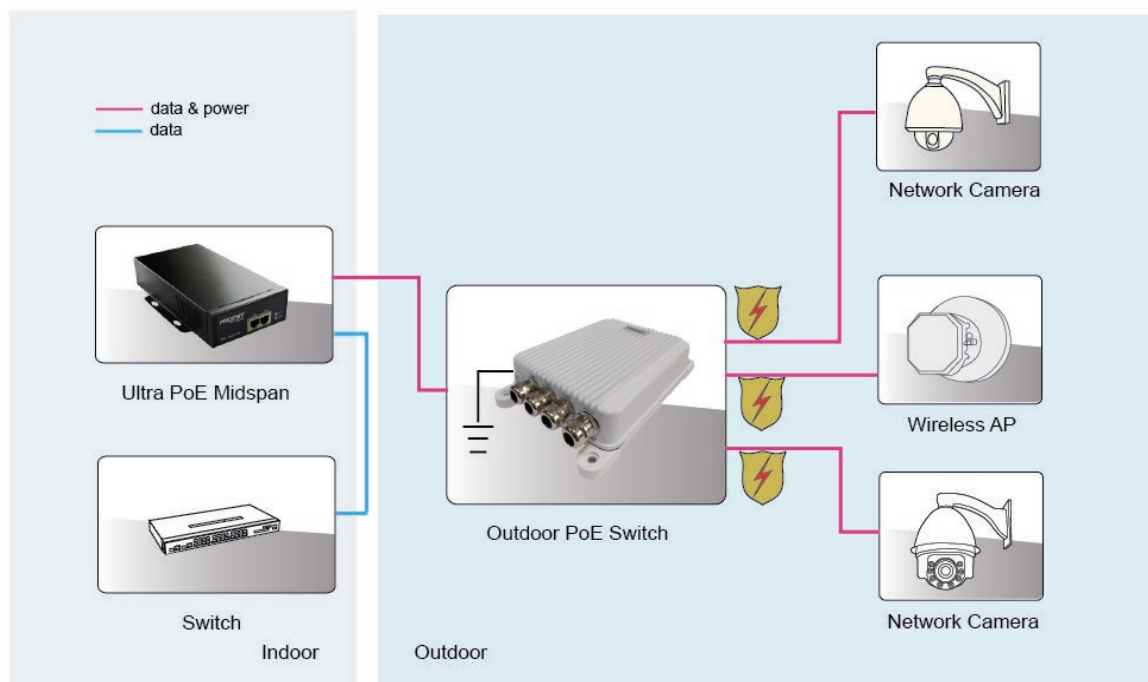
## Product Profile



1  2  3  4  5 6

2. Data&Power Output Port
3. Data&Power Output Port
4. Data&Power Output Port

7  8                    9

5. Data&Power Input Port
8. Earth
1,6,7,9. Mounting Hole

## Product Working Diagram



- data & power
- data

Ultra PoE Midspan

Switch

Indoor

Outdoor PoE Switch

Outdoor

Network Camera

Wireless AP

Network Camera

# Specification

## Standard

- IEEE802.3 10Base-T Ethernet
- IEEE802.3u 100Base-Tx Fast Ethernet
- IEEE802.3ab 1000Base-T Gigabit Ethernet
- Full compliant with IEEE802.3af/at
- RoHS Compliance
- WEEE Compliance
- Protection Level: IP67, IEC60529, NEMA 250

## Input & Output

- Input :44-57Vdc PoE++ 95-120W
- Power Input Pins: 4/5(+), 7/8(-) & 3/6(+), 1/2(-)
- Output: 55Vdc  550mA (Per Port)
- Power Output Pins: 3/6(+), 1/2(-)
- Data Speed: 10/100/1000Mbps

## Working Environment

- Operating Temperature: -40℃ to 65℃
- Operating Humidity: 20% to 90%, non-condensation
- Storage Temperature: -40℃ to 85℃
- Storage Humidity: 10% to 95%, non-condensation
- Operating Altitude: up to 5000meters

## 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: White
- Mounting: Wall-mounted/Pole-mounted
- IP Rated: IP67
- Size: 176mm X 269mm X 65mm
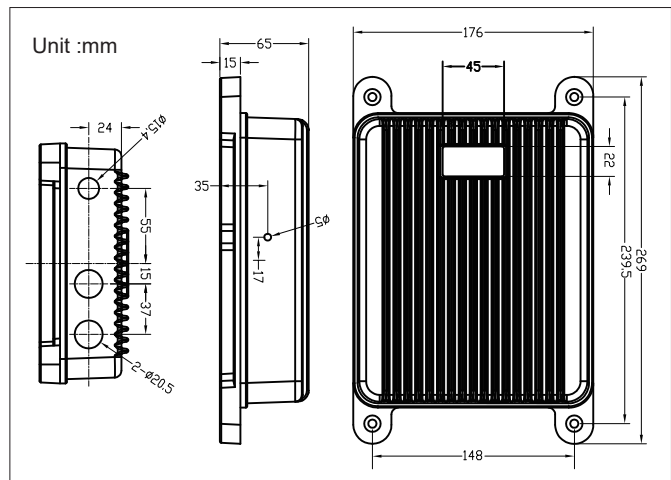- Weight: 1.73kg

## Safety Approvals

- IP67

## EMI

- FCC CFR47 Part 15, EN55032, EN55035

## EMS

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

## Immunity

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



## Order Info.

PT-POS401GR-OT-D      55Vdc/95W total/30W Per Port/1000M/3,6(+), 1,2(-)/Surge Protection/IP67/Active

## Packing

PT-POS401GR-OT-D
Manual x 1

## Option

PT-POT-MBK      Outdoor installation Kit