![PROCET PoE System logo]

Outdoor 4 Port Active PoE Switch

PT-POS401GWR-OT

Product Overview

PT-POS401GWR-OT is an outdoor rated switch speciall 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. Pass salt spray resistance test.

4 ports include 1 LAN port and 3 PoE output ports with 6KV (10/700us) surge protection, each PoE output port is complian with 802.3af/at/PoE++ standard and provides 55Vdc, 1.1A power(Max) for remote PDs over 4 pair at 10/100/1000Mbps of data speed. The total power budget is 160 watts.

It works with wide input voltage of 100-240Vac and operates under -40℃ to +65℃.

Build-in detecting chip inside, which will Auto-negotiating IEEE802.3af/at/PoE++ PDs, no worry about powering a non-PoE device.

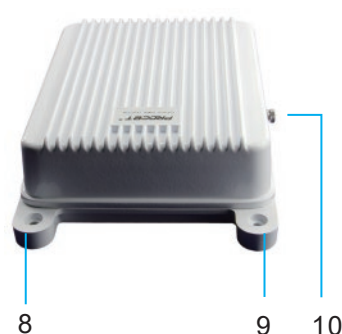The effective distance is 100 meters over Cat5e/Cat6 cables. It is ideal for wireless APs, network camera, VoIP phone, base stations, and other Ethernet power terminals.

Easily to install with installation kit (PT-POT-MBK Sold separately).The IP67 housing does not need to be opened and provides a quick,seamless installation.
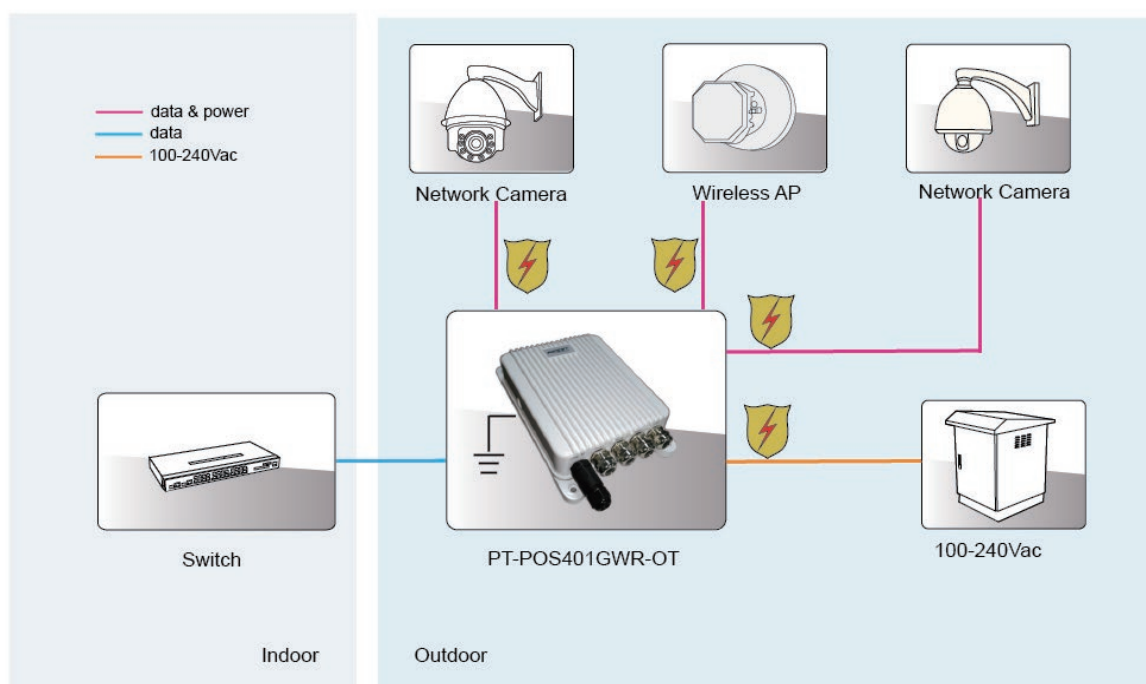
Product Profile

1 2   3   4   5   6 7

8   9   10

1,7. Mounting Hole
2. AC Power Input Port
3. Data&Power Output Port
4. Data&Power Output Port

5. Data&Power Output Port
6. LAN: Data Input Port
8,9. Mounting Hole
10.Earth

Product Working Diagram

data & power
data
100-240Vac

Network Camera   Wireless AP   Network Camera

Switch   PT-POS401GWR-OT   100-240Vac

Indoor   Outdoor

Specification

Standard

- IEEE802.3 10Base-T Ethernet
- IEEE802.3u 100Base-Tx Fast Ethernet
- IEEE802.3ab 1000Base-T Gigabit Ethernet
- Compliant with IEEE802.3af/at/PoE++
- RoHS Compliance
- WEEE Compliance

Input & Output

- Input :100-240Vac 3.0A   50/60Hz
- Output: 55Vdc 1.1A Per Port , Total 160W(Max)
- Power Output Pins: 3/6(+), 1/2(-), 4/5(+), 7/8(-)
- 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

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

Mechanical Characteristics

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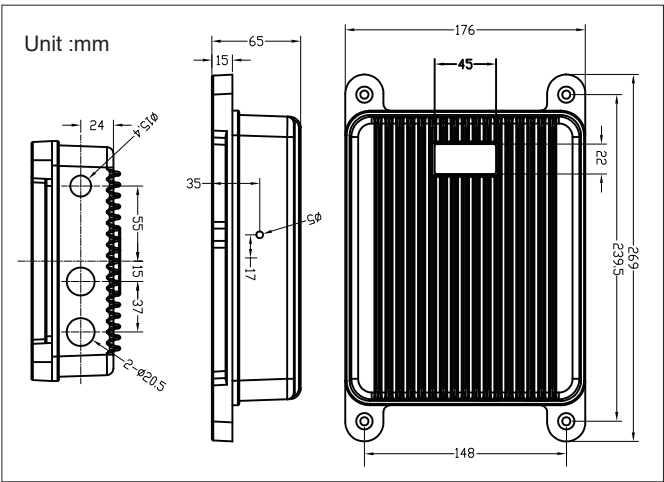- IP Rated: IP67
- Size: 176mm X 269mm X 65mm
- Weight: 1.8kg

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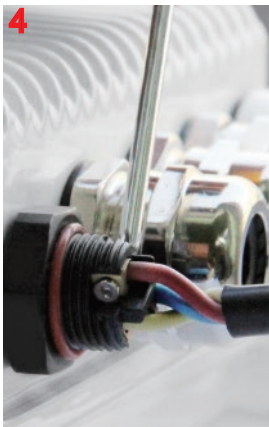- IEC60068-2-27(Impact)
- IEC60068-2-32(Free Fall)

Order Info.   PT-POS401GWR-OT   55Vdc/1.1A(Max) Per Port/1000Mbps/3,6(+), 1,2(-), 4,5(+), 7/8(-)/Active/IP67

Packing   PT-POS401GWR-OT
Manual x 1

Option   PT-POT-MBK   Outdoor installation Kit

Wire Connection

Outdoor PoE AC input port and RJ45 port installation steps:

- 1. AC wire installation

(1) The AC input port is screw terminal connector, on the AC input port there is an indicator showing pin definition. The 3 pins are labelled: Ground, N (neutral) and L (line).

(2) (3) Strip 25mm of cable jacket and 10mm of each wire jacket. Put your power cable through the waterproof cap

(4) (5) Insert wires into the correct pin ports and use a straight screw driver to fix the wires to each pin.

(5) Slide the waterproof gland over the AC input port pins and hand tighten to the housing. Hand tighten the waterproof nut to the cable.

- 2. RJ45 Port net cable installation

Our metal connector waterproof suit as above first and second photos showed which do not include cable. We recommend a Cat5e or Cat6 cable rated for the power transfer.
There are four RJ45 ports: LAN and POE, the four ports have the same connection ways; Put cable with RJ45 jacket through waterproof suit or add waterproof suit to cable first then add the RJ45 jacket, tighten them to the product RJ45 socket.