![PROCET PoE System logo]

Outdoor Single Port PoE Extender

PT-PEX01G-OT

Product Overview

PT-PEX01G-OT is a single port PoE extender with sealing gasket inside and Aluminum alloy shell which are waterproof. It gets 55Vdc(typical), 1.1A power from PoE Injector/switch to remote PDs over full 4 pairs with 6KV (10/700us) surge protection. It supports 10/100/1000Mbps of date speed.

The output port makes the PoE identification handshake with IEEE802.3af/at/PoE++ PDs, such as wireless APs, base stations, network cameras and other Ethernet power terminals.
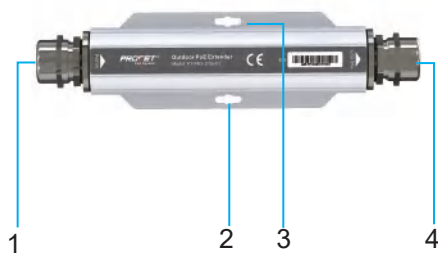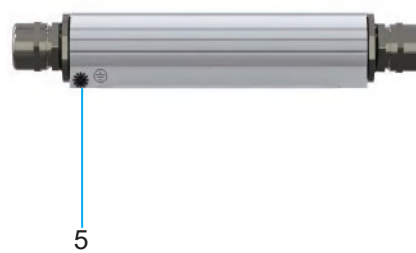
PT-PEX01G-OT is designed for outdoor use. It works with input voltage of 44-57Vdc and operates under -40℃ to + 65℃. On the input side, it connects to PoE injector or PoE switch, on the output side, it connects to PDs. The total effective distance from PoE injector to PD is 200 meters by CAT5e/CAT6 cables without local power.

It can extend 300 meters by cascading two extenders to a daisy chain. Easily to install with 2 mounting holes and is specially suitable for working in complex power situations.
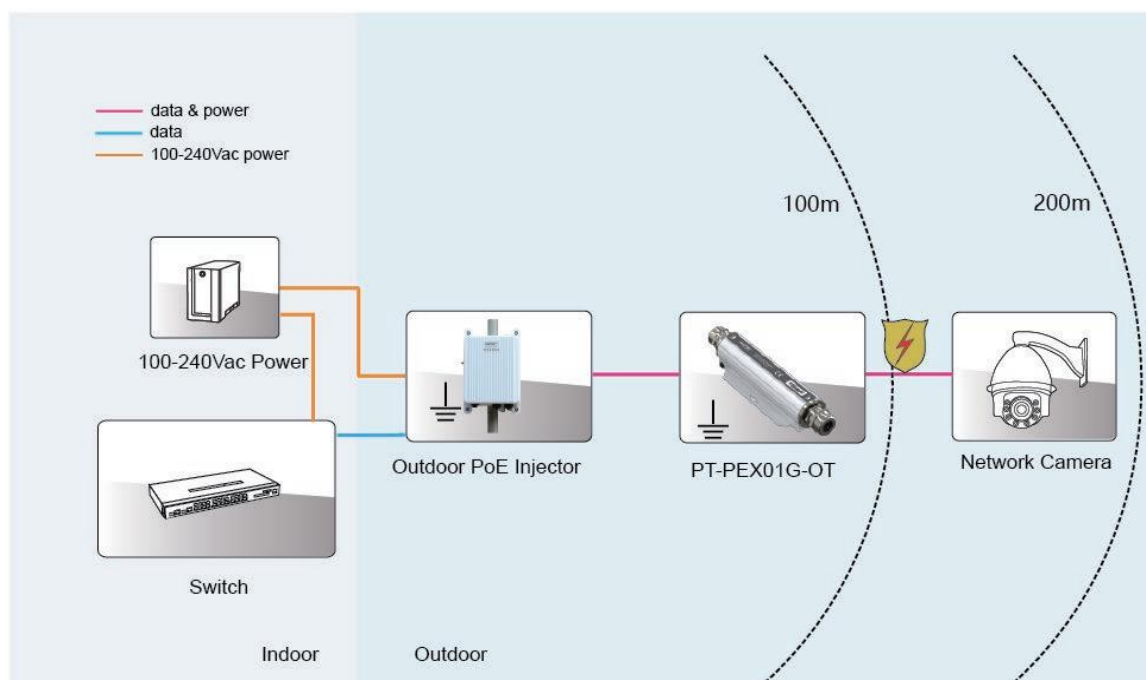
CE FC IP67 RoHS

Product Profile

1 2 3 4 5

1. PoE Input Port
2.3. Mounting Hole

4. PoE Output Port
5. Earth

Product Working Diagram

— data & power
— data
— 100-240Vac power

100m   200m

100-240Vac Power

Switch

Outdoor PoE Injector

PT-PEX01G-OT

Network Camera

Indoor   Outdoor

Specification

Standard

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

Input & Output

- PoE Input Port: 44-57Vdc, Typical 55V, 60W(Max)
  IEEE802.3at/PoE++ or passive PoE
- Power Input Pins: 4/5(+), 7/8(-) and 3/6(+),1/2(-) or
  4/5(+), 7/8(-) and 3/6(-),1/2(+)
- PoE Output Port: 30W, IEEE802.3af/at
- Power Output Pins: 4/5(+), 7/8(-) and 3/6(+),1/2(-)
- Data Speed: 10/100/1000Mbps

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

PoE Surge Protection

- Protected Line: 1,2,3,4,5,6,7,8
- Common Mode Protection Level(10/700us): 6KV
- Differential Mode Protection Level(10/700us): 1.5KV

Mechanical Characteristics

- Case: Aluminium alloy
- Color: White
- Mounting: Wall-mounted
- IP Rated: IP67
- Size: 209mm X 53mm X 37.5mm
- Weight: 410g

Safety Approvals

- CE   - FCC

EMI
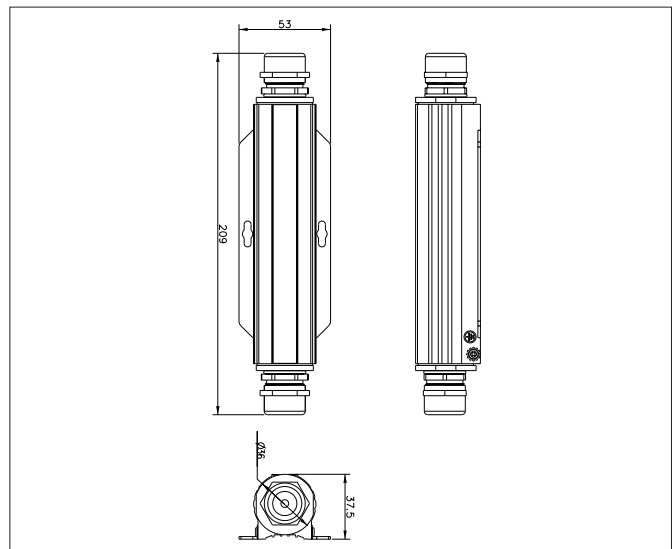
- FCC CFR47 Part 15, EN55032, EN55035

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)

Physical interface

- PoE input: RJ45(with waterproof jacket)
- PoE output: RJ45(with waterproof jacket)

Order Info.

PT-PEX01G-OT   44-57Vdc(Max 60Vdc)/1000Mbps/6KV Surge Protection/IP67 Outdoor use

Packing

PT-PEX01G-OT
Ground lug Wire: 16AWG
Manual x 1

Attention

There will be power loss after adding two or more extenders.