



PT-PR01G-10

Indoor 10G PoE Surge Protector

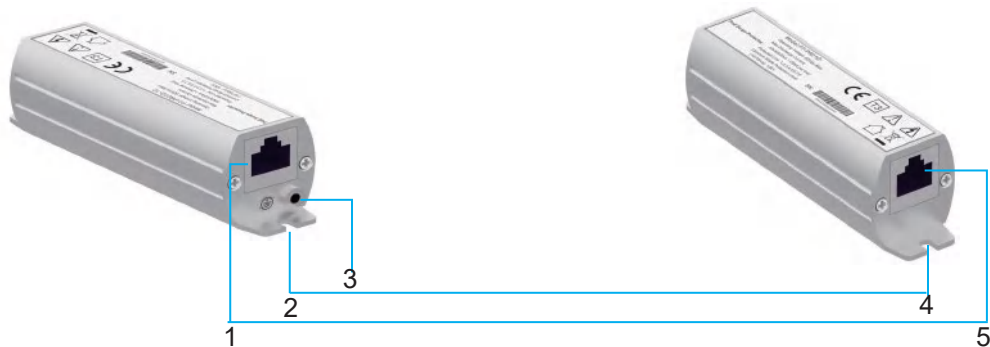
Product Overview

PT-PR01G-10 is single-port PoE surge protector, which has 1 input port and 1 output port. It supports 8 lines network signals and provides surge protection for PoE wires. The common mode surge voltage is 10KV(10/700us) and differential mode surge voltage is 1.5KV(10/700us). It supports 10/100/1000Mbps, and 2.5G, 5G, 10G of data speed. It also supports PoE wires with IEEE802.3af/at/bt or PoE++ standard and protects your device against surge damage. Either port can be PoE in or PoE out.

It is designed for indoor use with Aluminum alloy shell, which works with 60Vdc Max voltage and operates under -40 °C to 85 °C. It is connected to network over Cat5e/Cat6 cables with RJ45 connector conveniently and tightly. This model has two tabs on both ends that can be easily wall mount. Using high-quality RJ45 sockets, solve the signal attenuation. Surge lightning will go out via the Earth terminal with ground lug Wire.



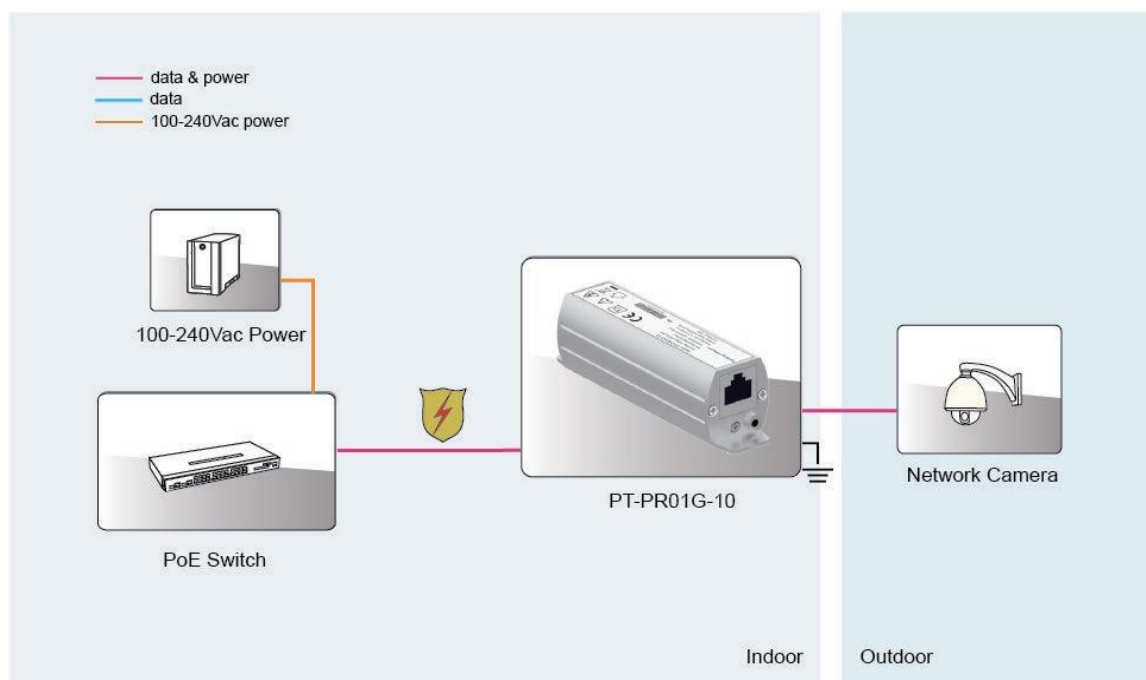
Product Profile



1.5 Surge Protector Input Or Output Port

2.4.DIN Rail Mounting Bracket
3. Earth terminal

Product Working Diagram



Specification

Standard

- IEEE802.3 10Base-T Ethernet
- IEEE802.3u 100Base-Tx Fast Ethernet
- IEEE802.3ab 1000Base-T Gigabit Ethernet
- Support PoE wire with IEEE802.3af/at standards
- Support 120W IEEE802.3bt and PoE++ standards
- RoHS Compliance
- WEEE Compliance

Input & Output

- Operating Voltage: 60Vdc Max
- Maximum Operating DC Current :1A for 2 pairs
2A for 4 pairs
Maximum 120W
- Data Speed: 10/100/1000Mbps & 2.5/5/10GbE

Working Environment

- Operating Temperature: -40℃ to 85℃
- Operating Humidity: 20% to 80%, non-condensation
- Storage Temperature: -40℃ to 85℃
- Storage Humidity: 10% to 90%, non-condensation
- Operating Altitude: up to 5000meters

PoE Surge Protection

- Max Discharge Current: 10KA(8/20us, 1.25KA per line)
- Protected Line: 1,2,3,4,5,6,7,8
- Common Mode Protection Level(10/700us): 10KV
- Differential Mode Protection Level(10/700us): 1.5KV
- Insertion Loss @10MHz/100MHz: -1db
- Return Loss @10MHz/100MHz: -20db
- Response Time: 5ns

Safety Approvals

- CE

EMI

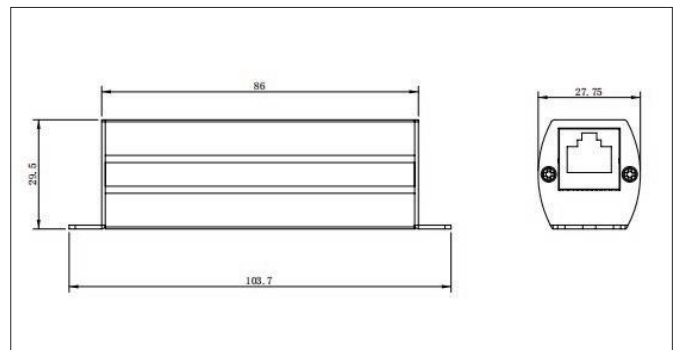
- FCC CFR47 Part 15, EN55032, EN55035

EMS

- IEC61000-4-2(ESD) $\pm 6kV$ (contact), $\pm 8kV$ (air)
- IEC61000-4-3(RS) 10V/m(80MHz~2GHz)
- IEC61000-4-4(EFT) Power Port: $\pm 2kV$; Data Port: $\pm 1kV$
- IEC61000-4-5(Surge) Power Port: $\pm 1kV/DM$, $\pm 2kV/CM$
- 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 alloy
- Color: Silvery
- Mounting: Wall mounted
- IP Rated: IP40
- Size: 103.7mm X 27.75mm X 29.5mm
- Weight: 70g

Order Info.

PT-PR01G-10

PoE Surge Protector/60Vdc Max/10G/120W/Indoor

Packing

PT-PR01G-10
Ground lug Wire: 16AWG
Manual x 1