Wide-temperature 95W Gigabit PoE Injector
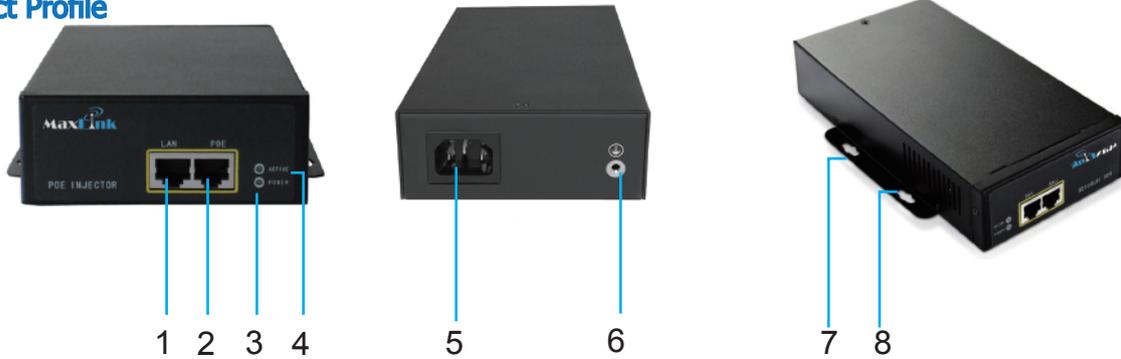
MAXPI90

Product Overview

MAXPI90, it is a single-port PoE Injector with wide-temperature. It provides 55Vdc, 1.75A power for remote PDs over full 4pairs with 6KV (10/700us) surge protection. It supports both 10/100Base-T and Gigabit device. It works for 95W PoE PDs, such as wireless APs, base stations, high power cameras, door locks, displays, POS, information kiosks and other high power Ethernet terminals. It is compliant with IEEE802.3bt and also compatible and safe to use with any IEEE802.3af/at compliant terminals.

MAXPI90 is designed for indoor use but can work outdoor by covered with waterproof case. It works with 100-240Vac input 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 100m over Cat5e/Cat6 cables. It is specially suitable for working in complex power situations.
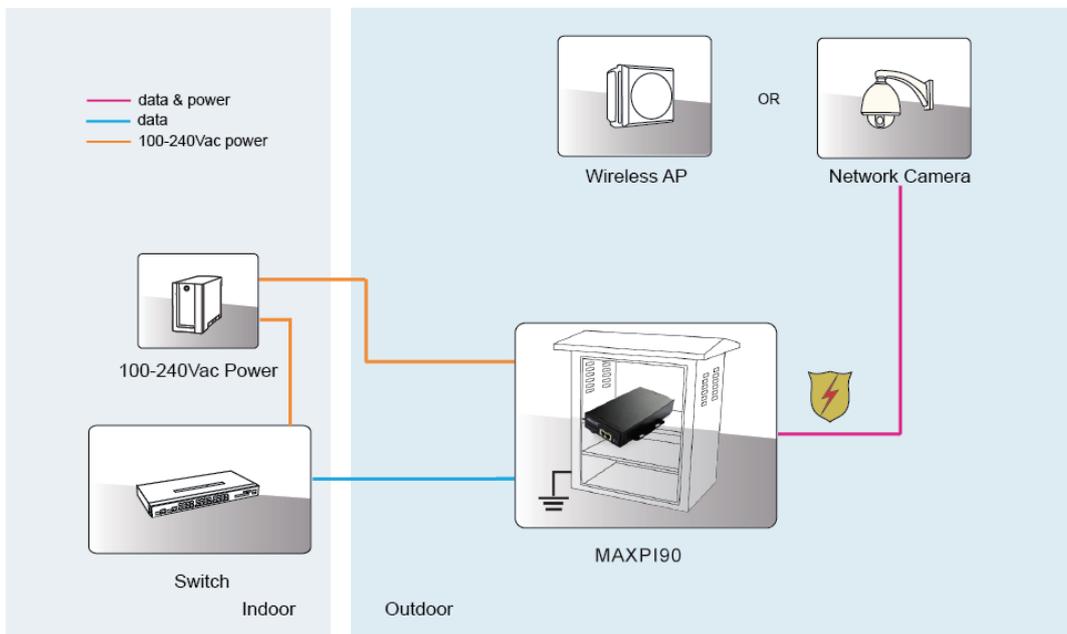
Product Profile

1 2 3 4   5   6   7 8

1. LAN: Data Input Port
2. PoE: Data & Power Output Port
3. Power Indicator

4. PoE Load Indicator
5. AC Power Input
6. Earth

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
- Full compliant with IEEE802.3af/at/bt
- RoHS Compliance
- WEEE Compliance

Input & Output

- Input :100-240Vac 2.0A 50/60Hz
- Output: 55Vdc 1750mA
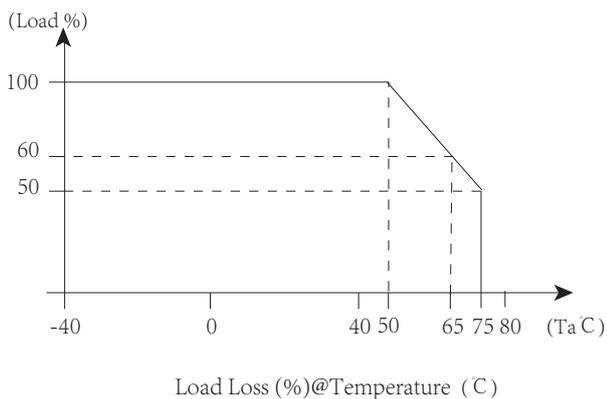- Power Pins: 4/5(+), 7/8(-) and 3/6(+),1/2(-)
- Data Speed: 10/100/1000Mbps

Working Environment

- Operating Temperature: -40℃ to 65℃
- Operating Humidity: 20% to 80%, non-condensation
- Storage Temperature: -40℃ to 85℃
- Storage Humidity: 10% to 90%, non-condensation
- Operating Altitude: up to 5000meters

LED Indicator

- Power Indicator: Green
- PoE Load Indicator: Green

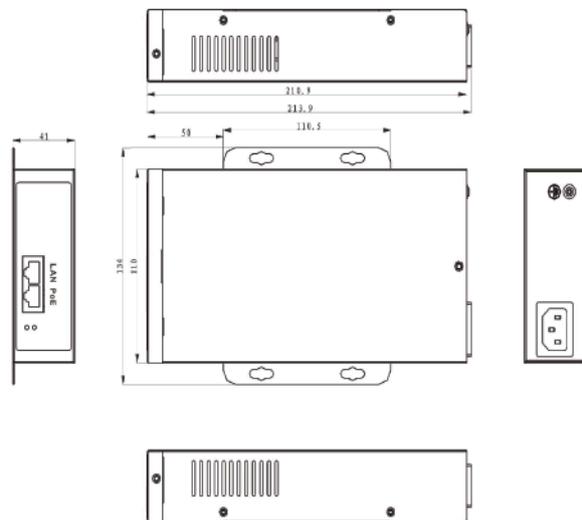## Safety Approvals

- CE
- FCC

AC Surge Protection

- 1.0KV (5P/5N)
- L-N 1.2/50 (8/20) Tr/Th us
- 2.0KV (5P/5N)
- L-PE 1.2/50 (8/20) Tr/Th us
- N-PE 1.2/50 (8/20) Tr/Th us

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: Black
- Mounting: Wall-mounted
- IP Rated: IP20
- Size: 214mm X 134mm X 41mm
- Weight: 1070g

Performance Data

Load Loss (%)@Temperature（℃）

Order Info.

MAXPI90   55Vdc/95W/1000Mbps/(4,5+,7,8-) and (3,6+,1,2-)/6KV Surge protecion/Active

Packing

MAXPI90   x 1
Power Cord x 1 (Optional)
Operation Manual x 1