



**MAXPI120**

## 120W Single-Port PoE Injector

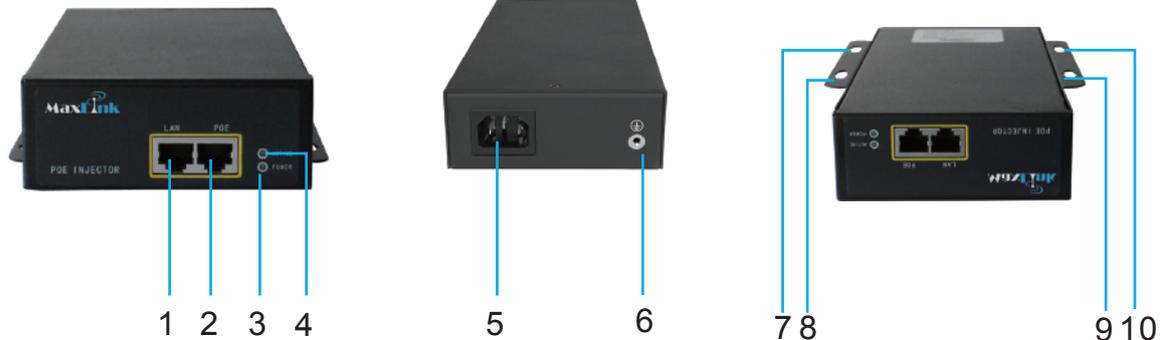
### Product Overview

MAXPI120 is a single port PoE Injector. It provides 55Vdc, 2.2A power for remote PDs over full-4pairs with 6KV (10/700us) surge protection. It supports both 10/100 Base-T and Gigabit device. It works for 120W 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 also compatible and safe to use with any IEEE802.3af/at compliant terminals.

MAXPI120 is designed for indoor use. It works with 100-240Vac input. It has detection chip inside, which will detect and classify PD before powering it. It will not apply power until a standard-compliant PD is detected. The effective distance is 100meters over Cat5e/Cat6 cables. It is specially suitable for working in complex power situations.



### Product Profile

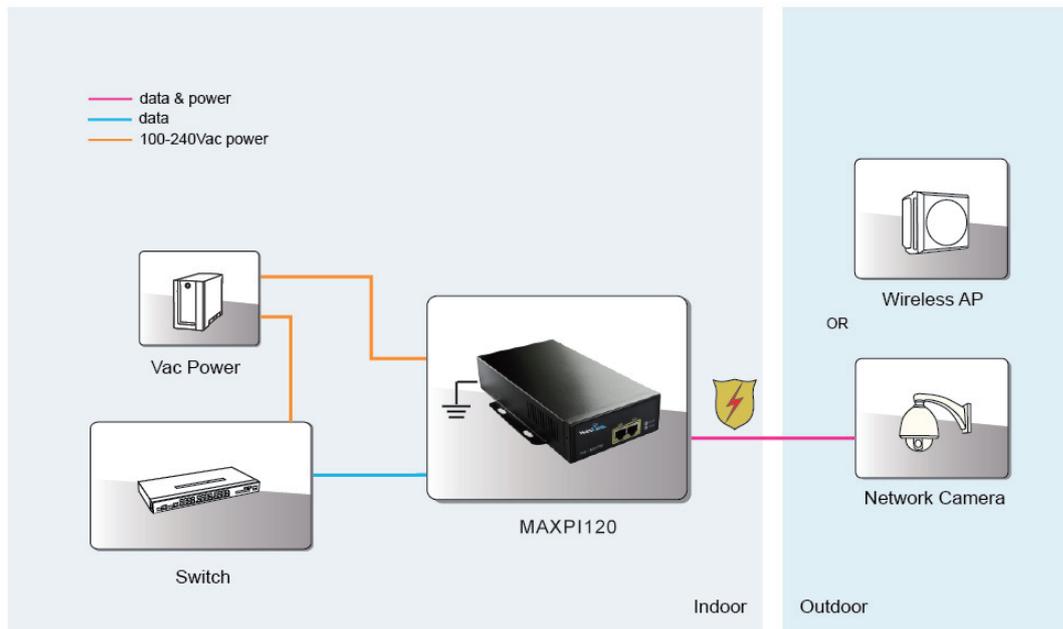


- 1. LAN: Data Input Port
- 2. PoE: Data & Power Output Port
- 3. Power Indicator

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

- 7,8,9,10. Mounting Hole

### Product Working Diagram



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## 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, PoE++
  - RoHS Compliance
  - WEEE Compliance
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### Input & Output

- Input :100-240Vac 3.0A 50/60Hz
  - Output: 55Vdc 2200mA
  - Power Pins: 4/5(+), 7/8(-) and 3/6(+),1/2(-)
  - Data Speed: 10/100/1000Mbps
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### Working Environment

- Operating Temperature: 0℃ to 40℃
  - Operating Humidity: 20% to 80%, non-condensation
  - Storage Temperature: -20℃ to 70℃
  - Storage Humidity: 10% to 90%, non-condensation
  - Operating Altitude: up to 5000meters
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### 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
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### 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
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### Mechanical Characteristics

- Case: Metal
  - Color: Black
  - Mounting: Wall-mounted
  - IP Rated: IP20
  - Size: 214mm X 134mm X 41mm
  - Weight: 1070g
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### Order Info.

MAXPI120

55Vdc/2.2A/1000M/(4,5+,7,8-) and (3,6+,1,2-)/surge protection/Active

### Packing

MAXPI120 x 1  
Power Cord x 1 (Optional)  
Operation Manual x 1

## Safety Approvals

- CE
  - FCC
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### EMI

- FCC CFR47 Part 15, EN55024, EN55032
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### EMS

- IEC61000-4-2(ESD) ± 6kV(contact), ±8kV(air)
  - IEC61000-4-3(RS) 10V/m(80MHz~2GHz)
  - IEC61000-4-4(EFT) Power Port: ±2kV; Data Port:±1kV
  - IEC61000-4-5(Surge) Power Port:±1kV/DM, ±2kV/CM
  - IEC61000-4-6(CS) 10V(150kHz~80MHz)
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### Immunity

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

- Power Indicator: Green
- PoE Load Indicator: Green

