

# Gigabit Single-Port PoE Injector



## Electra-P2-95W



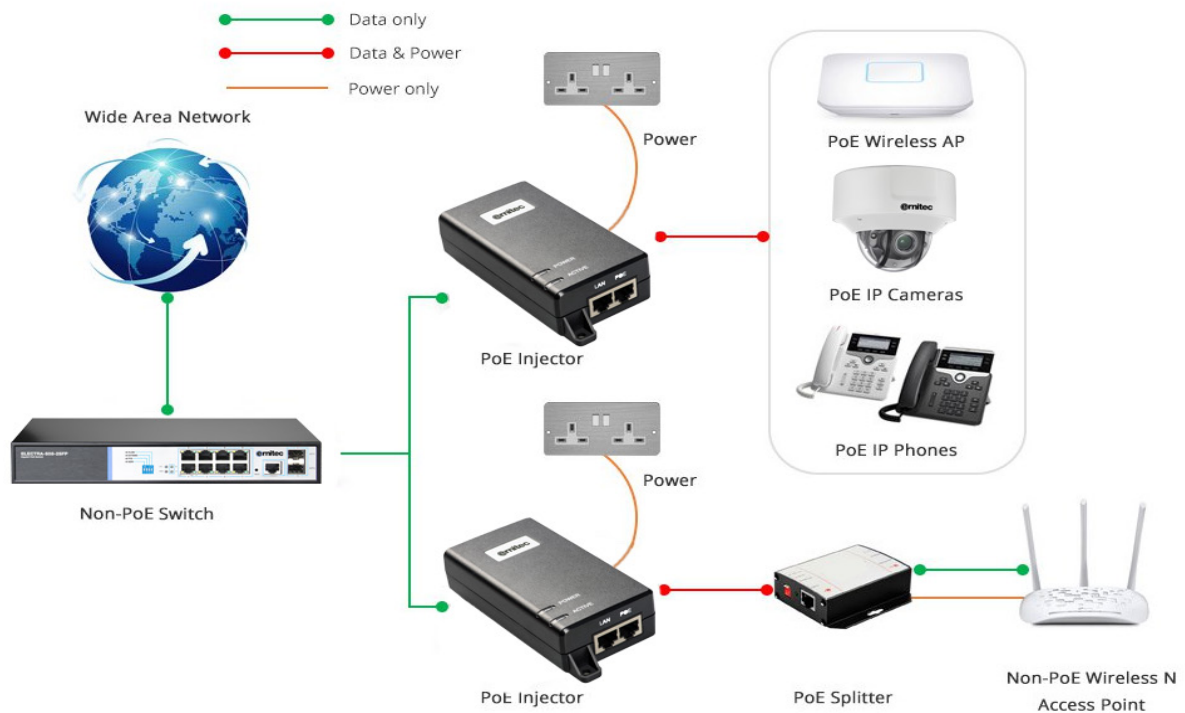
ELECTRA-P2-95W Is a single port PoE Injector. It provides 55Vdc, 1.75A power for remote PDs over full 4pairs output 6KV (10/700us) surge protection. It supports 10/100/1000Mbps of data speed. It works for 95W PoE PDs, such as wireless APs, Network cameras, IP Phones and other high power Ethernet terminals. It fully complies to IEEE802.3af/at, PoE++ standard.

ELECTRA-P2-95W is designed for indoor use. It works with input voltage of 100-240Vac. 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 100 meters over Cat5e/Cat6 cables.

The ELECTRA-P2-95W Mid-spans eliminate the need for external power supply and its associated AC/DC power cabling, providing a compact, affordable, safe and reliable power solution over existing Ethernet infrastructure.



## Application Architecture



## 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

## Input & Output

- Input :100-240Vac 1.0A 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

## AC Surge Protection

- Line-Earth 1.2/50us (8/20us): 2KV
- Line-Line 1.2/50us (8/20us): 1KV

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

## Item Number & Packing

- **ELECTRA-P2-95W**
- 1 X POWER CORD, CEE 7/7 TO IEC C13
- 1 X MANUAL

## Safety Approvals

- cUL/UL
- CE
- FCC
- CB
- RCM
- NOM

## EMI

- FCC CFR47 Part 15, EN55024, EN55032

## EMS

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

## Immunity

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

## LED

- Power Indicator : Green
- PoE Load Indicator :

