

# Gigabit PoE Injector

POEINJ-15W



## Overview

The POEINJ-15W is a single-port Gigabit PoE (Power over Ethernet) device with two RJ45 ports, one port for the Ethernet data input, another port for the integrated data and power supply output. Since the power supply itself does not have the data switch function, it needs to work together with a Network switch. It mixes the data of the network switch with the power supply, and transmits the data and the power supply to the remote powered terminal through the network cable. This can solve the layout restrictions due to the engineering power line. The device can provide PoE power supply to those Ethernet devices conforming to the IEEE802.3af international standard, such as routers, switches, wireless APs, VoIP phones, industrial network terminals, and network cameras etc. It provides efficient engineering solutions for locations where power is not available at the remote end or where the use of Ethernet cable power increase system reliability and simplify equipment installation.

## Features

- Power protection for input over voltage/under voltage, output over voltage, and each output over current short circuit protection and other functions.
- System reliability: MTBF>100k hours
- Conducted interference (CE) radiated interference (RE), Accord with EN55022, CLASS B standard.

## Lightning protection performance

AC input terminal, with differential mode 2KV common mode 6KV, 8/20uS inrush current wave, positive and negative each 5 times, every time interval 1 minute.

PSE control segment bears differential mode 2KV, common mode 6KV, and 10/700uS inrush current wave. Positive and negative each five times, every time interval 1 minute.

Power supply lightning protection circuit has failure alarm function and safety protection components such as fuses.

## Technical Specification

|                   |                                                                                          |                       |                                                                                                    |
|-------------------|------------------------------------------------------------------------------------------|-----------------------|----------------------------------------------------------------------------------------------------|
| Model             | POEINJ-15W                                                                               | PoE Power             | Each port max 15.4W                                                                                |
| Input Power       | 100-240V AC                                                                              |                       | Attention: 12&36 Data transmission and power                                                       |
| Output Power      | 48VDC                                                                                    |                       | Network cable required: UTP Cat5 or higher                                                         |
| Dimensions        | 165mm * 62mm * 38.5mm                                                                    | Warranty              | 2 Years                                                                                            |
| Network Protocol  | IEEE802.3i 10 BASE-T<br>IEEE802.3i 100 BASE-TX<br>IEEE802.3x flow control<br>IEEE802.3af | LED Indicator         | Power<br>PoE                                                                                       |
|                   |                                                                                          | Operating temperature | 0°C-40°C                                                                                           |
|                   |                                                                                          | Storage temperature   | -10°C-70°C                                                                                         |
| Transmission Rate | Store-and-forward                                                                        | Operating humidity    | 20%-85%                                                                                            |
| Transmission Rate | 1x 10/100/1000Mbps PoE port<br>1x 10/100/1000Mbps RJ45 port                              | Certifications        | CE/FCC/RoHs                                                                                        |
|                   |                                                                                          | Installation and use  | Plug and Play<br>Automatically detect the device and provide correct output required by the device |