

Gigabit PoE Injector with DIN-Rail Mounting Kit

Installation Guide

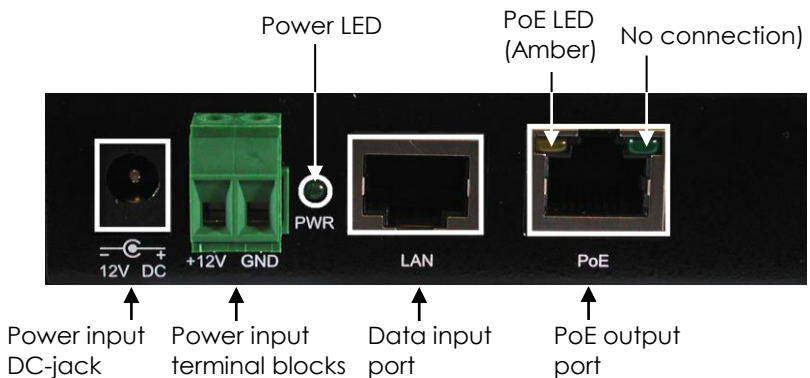
1. Introduction

Thank you for purchasing this Gigabit PoE Injector. It was designed to add 48 VDC power to an Ethernet port so you can deliver power and data over a single Ethernet cable to your Ethernet device in the field.

Features:

- ✓ Provides power to remote network devices
- ✓ Supports 10/100/1000 Base-T Ethernet standards
- ✓ Fully IEEE 802.3at compliant PoE (PSE) type 1 and 2 operation
- ✓ Maximum Power Delivered:
 - Type 1: 15.40W
 - Type 2: 34.20W
- ✓ One DC-Jack and one TB-2 for 12 VDC power input
- ✓ Supports one PoE power enabled LED indicator
- ✓ One Ethernet Data and one PoE RJ45 connectors
- ✓ Built in step-up converter from 12 VDC to 48 VDC
- ✓ Built in Isolated DC to DC converter
- ✓ Small Rugged Metal Housing for critical applications
- ✓ Provides direct panel and DIN Rail mounting methods

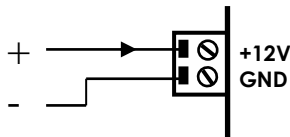
2. Connector Layout



- **DC-jack and 2-pin terminator blocks for power input:** To inject the DC power to the Ethernet cable, the Injector needs a 12V DC power applied either on its DC jack or the 2-pin terminal blocks (but not both at the same time), its internal circuits will convert it to 48V DC to use for PoE.



Please make sure the polarity of the input power should be correctly match the terminal block pins, otherwise it will damage the Injector.



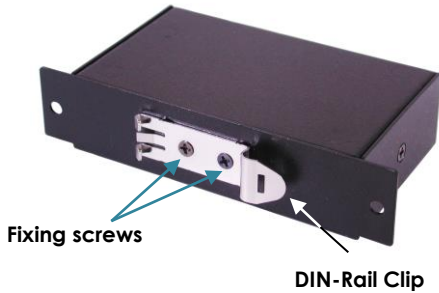
- **Power LED:** It Lights up when the 12V DC power is being applied. It is OFF when no power is applied on DC jack or terminal blocks.
- **LAN** Data input port: RJ45 connector for the data input. It accepts 10/100/1000Gbps Ethernet data cable.
- **PoE** output port: RJ45 connector that is able to be added 48V DC power with the input Ethernet data. If there is a PoE PD was connected, the Injector will supply the PoE power and lights up the Amber LED. Otherwise, it won't apply any power on the cable and the Amber PoE LED will NOT light up.

3. Hardware Installation

1. Connect data cable to RJ45 connector marked as "LAN"
2. Apply DC power (12V) to the DC jack or 2-pin Terminal Blocks Connector. The Power LED should light up. If you are applying the power on the 2-pin terminal blocks instead, please note its polarity should match the marking next to the terminal blocks' pins.
3. Connect your PoE PD device to the PoE port, the Amber PoE LED should light up if the PD was detected and powered by the Injector

4. DIN-Rail Mounting

The metal DIN-Rail attachment clip should be used when you are mounting the Injector onto a DIN-Rail. The clip came with 2 screws to fix it on the rear side of the Injector.



5. Environmental Specifications

Operating temp.:	0 to 55C (32 to 131F)
Operating humidity:	5 to 95% RH
Dimensions (LxWxH):	4.51 x 2.25 x 1.03 in (114.60 x 57.26 x 26.20 mm)

6. Mechanical Drawings

