

# E-IESH-PI-2701MPI-5GT-R

## Industrial IEEE 802.3bt Multi Data Rate 90W PoE Injector

### Startup Manual

#### Overview

The E-IESH-PI-2701MPI-5GT-R is a next-generation injector compliant with IEEE 802.3af/at/bt standards. Utilizing Power over Ethernet (PoE) technology, it delivers both data and power to Ethernet-enabled devices through a standard CAT6(A)/CAT7 cable, providing up to 90W.

The E-IESH-PI-2701MPI-5GT-R allows for flexible deployment of standard and high-powered PD devices, simultaneously transmitting data and power over a single Ethernet cable up to 100 meters. It features dual power input options via a pluggable terminal block or DC jack, and offers both DIN-rail and wall-mounting installation options for added convenience.

With the E-IESH-PI-2701MPI-5GT-R, deploying WiFi access points at a 5Gbps transmission rate can be easy. It supports multi-data rates of 10M/100M/1000M/2.5G/5G and can provide up to 90W of PoE power, making it an ideal solution for high-performance networking needs.

#### Packing List

Before installation, please make sure that you have received the following:

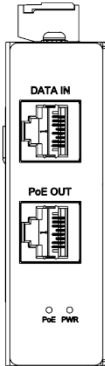
- 1 x E-IESH-PI-2701MPI-5GT-R PoE Injector
- 1 x DIN-rail mounting bracket with 3 screws (M3 x 5L)
- 2 x Wall mounting brackets with 4 screws (M3 x 5L)
- 1 x E-IESH-PI-2701MPI-5GT-R Startup Manual

#### Specifications

##### General

- **Compatibility:** IEEE 802.3, 802.3u, 802.3x, 802.3ab, 802.3bz, 802.3af/at/bt
- **LAN:** 10/100/1000Base-T(X)/2.5G/5G
- **Transmission Distance:** Up to 100 m
- **Transmission Speed:** Up to 5Gbps
- **Connectors:** 2 x 10/100/1000Base-T(X)/2.5G/5G (DATA IN x1 + PoE OUT X1)
- **Power Input:** 54~57V<sub>DC</sub>
- **Power Consumption:** Max. 92W (Full PoE Load)
- **Dimensions (W x H x D):** 84 x 80 x 25 mm
- **Enclosure:** IP40
- **Operating Temperature:** -40 ~ 75°C (-40 ~ 167°F)
- **Storage Temperature:** -40 ~ 85°C (-40 ~ 185°F)
- **Operating Humidity:** 10 ~ 95% (non-condensing)
- **Storage Humidity:** 10 ~ 95% (non-condensing)
- **EMC:** CE, FCC Class A

## Overview



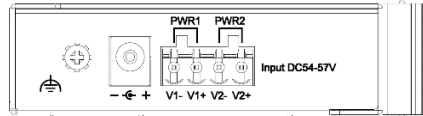
## LED Definition

LED	Color	Description	
Power	Green	On	Power is being supplied to power input.
		Off	Power is not being supplied to power input.
PoE	Green	On	PoE power is being supplied to the Powered Device (PD).
		Off	No PoE Output

## Power Connection

The E-IESH-PI-2701MPI-5GT-R injector supports dual +54~57 V<sub>DC</sub> power inputs. For operation, connecting either power V1 or V2 to the switch is sufficient. If both sets are connected, it enhances redundancy. In the event of a power resource failure in one set, it will automatically switch to the other set of power resources.

1. Insert the positive and negative wires into the V+ and V- contacts on the terminal block connector.
2. Tighten the wire-clamps screws to prevent the DC wires coming loose.



**Warning:** This product is intended to be supplied by a UL certified power supply or DC source suitable for use at a minimum T<sub>ma</sub> 85 °C whose output meets ES1 or PS2 is rated 54- 57Vdc, 1.75A min

**Warning:** Ensure that the voltage of the power source is correct before connecting the equipment to a power outlet. The power outlet socket should have a grounded connection.

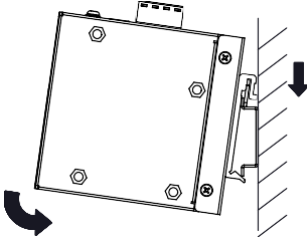
**Warning:** Never open the equipment. For safety reasons, the equipment should only be opened by a qualified skilled person.

**Note:** The AC power supply is not included with this model. Please ensure to obtain one separately. The DC jack must have an outer diameter of 5.5 mm and an inner diameter of 2.1 mm, with an output voltage of 54-57VDC and a power rating of 120W.

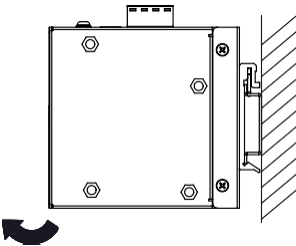
## Mounting

### DIN-rail Mounting

1. Installing the DIN-Rail Mounting Kit.

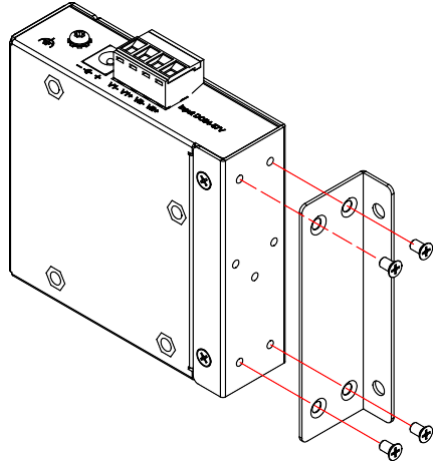


2. Removing the DIN-Rail Mounting Kit.



## Wall Mounting

1. Secure the wall brackets to the device with M3 screws, see the following figure. Align the wall mount plate over the screws on the wall.



2. To mount the wall plate, use screws of the size shown in the following illustration.



Wall Mounting Screw Dimensions