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Industrial 2 Port Gigabit PoE+ Injector 48V / 30W - Wall-Mountable

POEINJ2GI

*actual product may vary from photos

For the most up-to-date information, please visit: www.startech.com

FCC Compliance Statement

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

•   Reorient or relocate the receiving antenna.

•   Increase the separation between the equipment and receiver.

•   Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

•   Consult the dealer or an experienced radio/TV technician for help.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Changes or modifications not expressly approved by StarTech.com could void the user's authority to operate the equipment.

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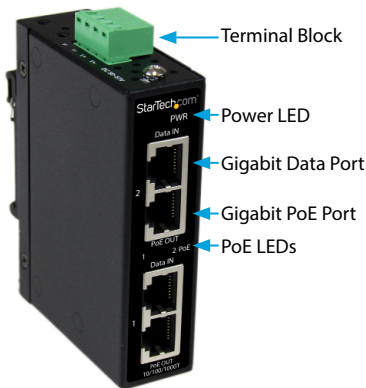StarTech.com

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Introduction

Packaging Contents

- 1 x 2 Port PoE Injector
- 1 x DIN Rail Bracket w/ Screws
- 2 x Wall Mount Brackets w/ Screws
- 1 x 4-Pin Terminal Block
- 2 x Dust Covers (RJ-45)
- 1 x Power Cable w/ Female DC Jack
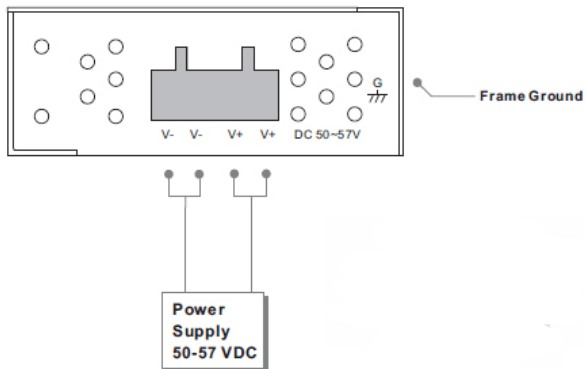- 1 x Instruction Manual

System Requirements

- RJ45 terminated Cat5 or higher Ethernet cabling
- 10/100/1000 Mbps compatible Ethernet network
- 50-57 V DC Power Supply

Product Overview

Terminal Block

Power LED

Gigabit Data Port

Gigabit PoE Port

PoE LEDs

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Terminal Block Power Connector

LED Indicators
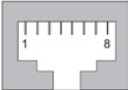
PWR (Green)	**Solid:** Power is connected and functioning
PoE LED x 2 (Blue)	**Solid:** PoE device detected **Flashing:** Detecting PoE device **Off:** No PoE device detected

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Pinout

1000Base-T
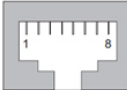
■ RJ45 (8-pin, MDI) Port Pinouts

Pin	MDI
1	BI_DA+
2	BI_DA-
3	BI_DB+
4	BI_DC+
5	BI_DC-
6	BI_DB-
7	BI_DD+
8	BI_DD-

■ RJ45 (8-pin, MDI-X) Port Pinouts

Pin	MDI-X
1	BI_DB+
2	BI_DB-
3	BI_DA+
4	BI_DD+
5	BI_DD-
6	BI_DA-
7	BI_DC+
8	BI_DC-

	RJ-45 Input (Data Only)		RJ-45 Output (Data and Power)	
	Symbol	**Description**	**Symbol**	**Description**
1	BI_DA+	Data BI_DA+	BI_DA+ (Vdc+)	Data BI_DA+ and Feeding power (+)
2	BI_DA-	Data BI_DA-	BI_DA- (Vdc+)	Data BI_DA- and Feeding power (+)
3	BI_DB+	Data BI_DB+	BI_DB+ (Vdc-)	Data BI_DB+ and Feeding power (-)
4	BI_DC+	Data BI_DC+	BI_DC+	Data BI_DC+
5	BI_DC-	Data BI_DC-	BI_DC-	Data BI_DC-
6	BI_DB-	Data BI_DB-	BI_DB- (Vdc-)	Data BI_DB- and Feeding power (-)
7	BI_DD+	Data BI_DD+	BI_DD+	Data BI_DD+
8	BI_DD-	Data BI_DD-	BI_DD-	Data BI_DD-

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10/100Base-TX

■ RJ45 (8-pin, MDI) Port Pinouts

Pin	Single
1	Tx+
2	Tx-
3	Rx+
6	Rx-
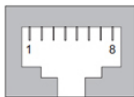
■ RJ45 (8-pin, MDI-X) Port Pinouts

Pin	Single
1	Rx+
2	Rx-
3	Tx+
6	Tx-
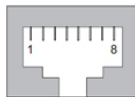
	RJ-45 Input (Data Only)		RJ-45 Output (Data and Power)	
	Symbol	**Description**	**Symbol**	**Description**
1	Rx+	Data Receive	Rx+ (Vdc+)	Data Receive and Feeding power (+)
2	Rx-	Data Receive	Rx- (Vdc+)	Data Receive and Feeding power (+)
3	Tx+	Data Transmit	Tx+ (Vdc-)	Data Transmit and Feeding power (-)
4	NC	Not connected	NC	Not connected
5	NC	Not connected	NC	Not connected
6	Tx-	Data Transmit	Tx- (Vdc-)	Data Transmit and Feeding power (-)
7	NC	Not connected	NC	Not connected
8	NC	Not connected	NC	Not connected

Note: pins 3 and 6 (-Vdc) should not be shorted to ground

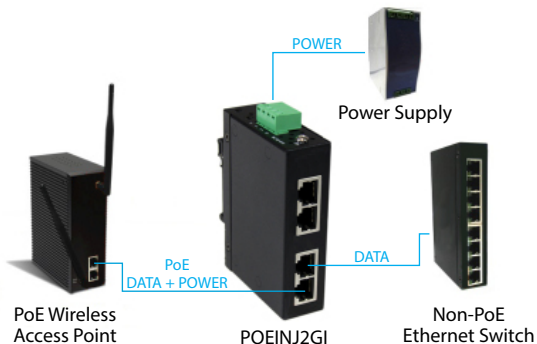StarTech.com

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Din Rail / Wall Bracket Installation

If you are mounting the POEINJ2GI product onto either a DIN Rail or to a wall, you will first need to attach the appropriate bracket(s) to the device as shown below.
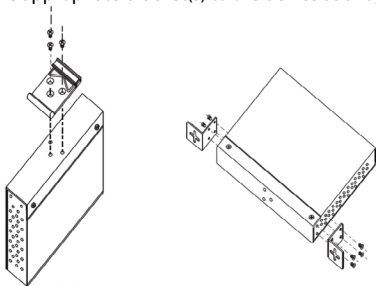
Hardware Installation

1. Connect an Ethernet cable from the desired source network device (i.e. computer, router, switch, etc.) to the "Data In" RJ45 connectors of the POEINJ2GI unit. These can be connected to the same router/switch, or a different one depending on your application.

2. Connect the terminal block power source to the POEINJ2GI unit.

3. Connect an RJ45 terminated Ethernet cable to the "PoE Out" connectors on the POEINJ2GI unit. The other end of the cable will either connect directly to a PoE+ / PoE-compliant device, or to a POE Splitter device to separate data and power.

POWER

Power Supply

PoE
DATA + POWER

DATA

PoE Wireless
Access Point

POEINJ2GI

Non-PoE
Ethernet Switch

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For the latest drivers/software, please visit **www.startech.com/downloads**

Warranty Information

This product is backed by a two year warranty.

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