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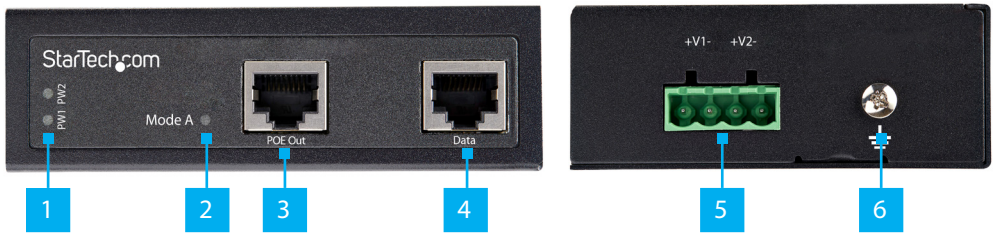
Quick-Start Guide

30W Industrial - Grade Hardened PoE Injector | 1G (1000 Mbps)

Product Diagram (POEINJ30W)



Component		Function
1	Power LEDs	• **Green:** A **Power Source** is detected. • **Off:** A **Power Source** is not detected.
2	Mode A LED	• **Mode A (Green):** Indicates that the **PoE Injector** is providing power. • **Off:** Indicates that the **PoE Injector** is in idle mode.
3	PoE Out Port	• Connect a **PoE PD Device** to the **PoE Injector**.
4	Data Port	• Connect a **Network Switch** to the **PoE Injector**.
5	4-Pin Terminal Block V1 and V2	• Connect an external **DC Power Source** (48-56V DC Input) to the **PoE Injector**.
6	Ground Screw	• Connect a ground connection to the **Ground Screw** when connecting a **DC Power Source** to the **PoE Injector**.

Requirements

For the latest requirements, please visit www.startech.com/POEINJ30W

- Small Flat Head Screwdriver x 1
- Writing Utensil x 1
- PoE PD Device x 1
- Network Switch x 1
- DC Power Source or Universal Power Adapter with Type N (OD: 5.5 mm, ID: 2.5 mm) Barrel Connector x 1
- (Optional) Phillips® Head Screwdriver x 1
- RJ45 Terminated UTP/STP Cat 5e (or better) Network Cable x 2

Powering the PoE Injector

Terminal Block

Connecting and installing the **4-Wire Terminal Connector** must be completed by a licensed Electrician.

Notes: *Make sure that you turn off the power source before connecting the power wire to the* **PoE Injector**.

Do not exceed the recommend power source voltage as it may result in personal or product damage.

1. Using a **Small Flat Head Screwdriver**, loosen the two screws, either V1 or V2 on the **4-Wire Terminal Connector** (included).
2. Connect the **Power Wires** from a **DC Power Source** (48 - 56V DC), or the provided **Barrel Power Connector Adapter**, to the proper **Terminal Block Connectors** (the terminals are marked on the **PoE Injector's Casing)**. Connect the positive wire to V+ and the negative wire to V-.
3. Tighten the two screws on the **4-Wire Terminal Connector**.
4. Insert the **4-Wire Terminal Connector** in the **4-Wire Terminal Block** on the **PoE Injector**.
5. To connect a second **Power Source** to the **PoE Injector**, repeat steps 1 - 4.
6. Using a **Phillips Head Screwdriver**, loosen the **Ground Screw** on the **PoE Injector**.
7. Connect the **Ground Wire** from a **DC Power Source** to the **Ground Screw** on the **PoE Injector**.
8. Using the **Phillips Head Screwdriver**, tighten the **Ground Screw** to secure the **Grounding Wire** to the **PoE Injector**.

(Optional) Barrel Connector

- Connect a **Type N (OD: 5.5 mm, ID: 2.5 mm) Barrel Connector** from a **Universal Power Adapter** to the **Terminal Block to Barrel Power Connector Adapter.**

Connecting the PoE Injector

Note: *Make sure the total length of the* **CAT5e/6 Cable** *connecting the* **PD Device** *to the* **PoE Injector** *and the* **CAT5e/6 Cable** *connecting the* **PoE Injector** *to the* **Remote Switch** *does not exceed 100 meters in total length.*

1. Connect a **CAT5e/6 Cable** to the **PoE Out Port** on the **PoE Injector** and the other end to an RJ45 port on a **PoE PD Device** (e.g. security camera, etc.).

2. Connect a **CAT5e/6 Cable** to the **Data Port** on the **PoE Injector** and the other end to an RJ45 port on a **Network Switch**.

Mounting

DIN Rail Mounting

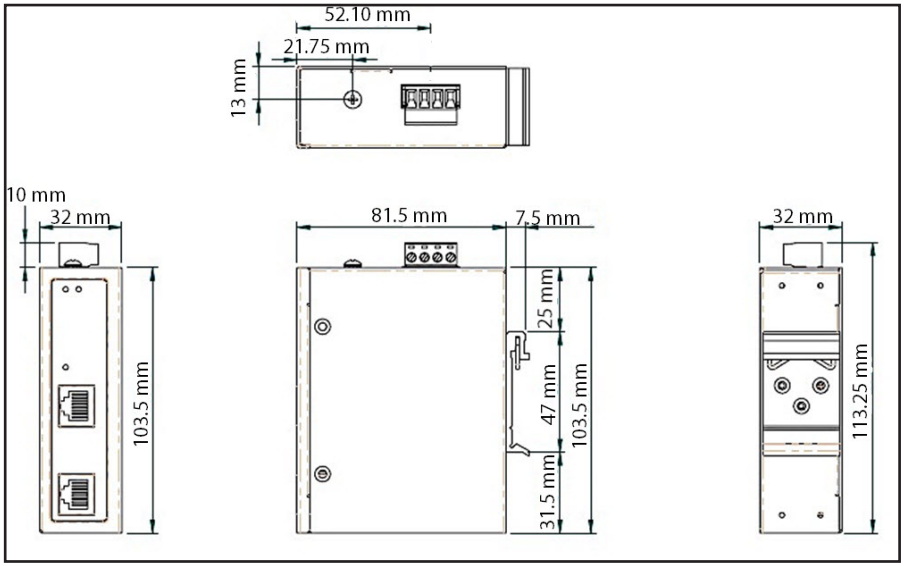
1. Align the **DIN Rail Brackets** (x 1) with the **Mounting Holes** (x 4) on the side of the **PoE Injector**.
2. Insert the **Mounting Screws** (x 3) through the **DIN Rail Bracket** and into the **PoE Injector**.
3. Using a **Phillips Head Screwdriver**, tighten the **Mounting Screws**. Be careful not to over-tighten the **Mounting Screws**.
4. Clip the **DIN Rail Bracket** onto a **DIN Rail**, securing the **PoE Injector**.

Wall Mounting

It is recommended that you use **Wall Studs** when wall mounting the **PoE Injector**.

1. Align the **Mounting Brackets** (x 2) with the **Mounting Holes** (x 4) on the side of the **PoE Injector**.
2. Insert the **Mounting Screws** (x 4) through each of the **Mounting Brackets** and into the **PoE Injector**.
3. Align the **PoE Injector** on the wall in the position you want to mount the **PoE Injector**.
4. Using a **Writing Utensil**, mark off both **Mounting Holes** on the **PoE Injector**.
5. Using a **Level**, draw a line connecting the two **Mounting Holes**, making sure that the line is level.
6. Align the **Mounting Holes** on the **PoE Injector** with the **Mounting Hole Marks**.
7. Insert the **Mounting Screws** (x 2) through the **Mounting Holes** on the **PoE Injector** and into the **Wall**.
8. Using a **Phillips Head Screwdriver**, tighten the **Mounting Screws** until the **PoE Injector** is securely fasten to the **Wall**.

Product Dimensions



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 when the equipment is operated in a commercial environment. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

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.

Industry Canada Statement

This Class A digital apparatus complies with Canadian ICES-003.

Cet appareil numérique de la classe [A] est conforme à la norme NMB-003 du Canada.

CAN ICES-3 (A)/NMB-3(A)

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This product is backed by a two-year warranty.

For further information on product warranty terms and conditions, please refer to www.startech.com/warranty.

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Safety Measures

- If product has an exposed circuit board, do not touch the product under power.

Mesures de sécurité

- Si l'un des circuits imprimés du produit est visible, ne pas touchez le produit lorsqu'il est sous tension.

安全対策

- 製品に露出した状態の回路基盤が含まれる場合、電源が入っている状態で製品に触らないでください。

Misure di sicurezza

- Se il prodotto ha un circuito stampato visibile, non toccare il prodotto quando è acceso.

Säkerhetsåtgärder

- Rör aldrig vid enheter med oskyddade kretskort när strömmen är påslagen.

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