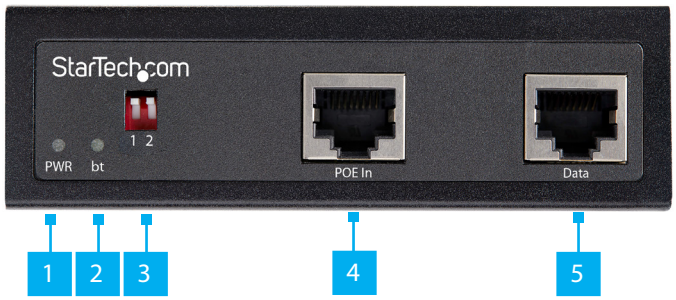
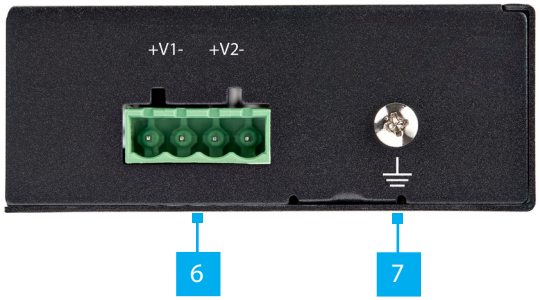
90W Industrial-Grade Hardened 802.3bt PoE Splitter 10/100/1000Mbps (48VDC Max Output)

Product Diagram (POESLT1G48V)

Front View



Side View



Component		Function
1	PWR LED Indicator	• **On** - Power output is detected on **Terminal Block Power Output Port** • **Off** - Power output is not detected **Terminal Block Power Output Port**
2	bt LED Indicator	• **On** - POE IEEE 802.3bt and **Power Source Equipment** (PSE) is detected on **PoE Input Port** • **Off** - POE IEEE 802.3bt and **PSE** is not detected on **PoE Input Port**
3	DIP Switches 1 and 2	• Select the desired output voltage for the **Terminal Block Power Output Port**
4	PoE Input Port	• Connect **PSE** via **RJ45 Terminated Network Cable** • Supported power input voltage range is 15W up to 90W
5	Data Port	• Connect a **Non-PoE Device** via **RJ45 Terminated Network Cable**
6	Terminal Block Power Output Port	• Provides power up to two **Non-PoE Equipment** • Supported power input voltages of **12**, **16**, **24**, and **48 VDC** • The polarity is labeled per output as **+V1-** and **+V2-**. Starting from the left pin, positive (+), negative (-), positive (+), and negative (-)
7	Grounding Screw	• Attach a **Grounding Wire** to protect **Network Equipment**

Requirements

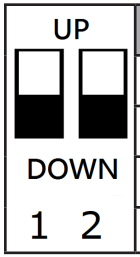
For the latest requirements, please visit www.startech.com/POESLT1G48V.

- Power Source Equipment (ex. PoE Gigabit Switch, PoE Injector) x 1
- RJ45 Terminated UTP/STP Cat 5e (or better) Network Cable (sold separately) x 2
- Earth Ground Connection x 1
- Grounding Wire x 1
- (Optional - for power) Flat Head Screwdriver x 1
- (Optional - for mounting) Phillips Head Screwdriver x 1
- (Optional - for mounting) Screws x 2

Installation

Select DC Output Voltage using the DIP Switches

Toggle the **DIP Switches** up or down to select the output voltage of the **Terminal Block Power Output Port**. The output power is shared between the outputs.



DIP1	DIP2	Output Voltage / Current	Output Power
UP	UP	48VDC / 1.5A (default)	72W (max)
DOWN	UP	24VDC / 1.5A	36W
UP	DOWN	16VDC / 1.5A	24W
DOWN	DOWN	12VDC / 1.5A	18W

Grounding the PoE Extender

1. Connect a **Grounding Screw** to the **Grounding Point** on the **PoE Splitter** and to the **Earth Ground Connection**.

Connecting the PoE Splitter

2. Connect a **Network Cable** to the **PoE Output Port** of the **Power Source Equipment** and to the **PoE Input Port** on the **PoE Splitter**.
3. Connect a **Network Cable** to the **Data Port** on the **PoE Splitter** and to the **Network Port** on the **Non-PoE Equipment**.

Powering the Non-PoE Equipment

Notes: *A licensed Electrician must complete connecting and installing the* ***Terminal Block***.

Ensure to turn off the ***Non-PoE Equipment*** *before connecting the* ***Power Wires*** *to the* ***Terminal Block***.

Do not exceed the recommended voltage of the ***Non-PoE Equipment*** *as it may result in personal or equipment damage.*

1. Ensure the **Power Output** is set to the correct voltage for the **Non-PoE Equipment** (12, 16, 24, 48VDC) via the **DIP Switches**.
2. The **Polarity** of the **Terminal Block Power Output Port** is marked on the exterior of the **Switch**. Start with **+V1-** by connecting the **Positive Wire** to **V+** and the **Negative Wire** to **V-**, to the **Power Input Connectors** of the **Non-PoE Equipment**.

Note: *Repeat* ***Step 2*** *to power a second* ***Non-PoE Equipment*** *via the* ***+V2-*** *pins.*

3. Secure the **Power Wires** by tightening the **Screws** on the **Terminal Block** with a **Flat Head Screwdriver**.
4. Insert the **Terminal Block** into the **Terminal Block Power Output Port**.

Mounting the PoE Splitter

Wall Mounting

1. Align the holes in the **Wall Mount Brackets** with the holes in the back of the **PoE Splitter**.
2. Insert two **Phillips Head Screws** through each **Wall Mount Bracket** and into the **PoE Splitter.**
3. Tighten the **Phillips Head Screws** using a **Phillips Head Screwdriver** (sold separately).
4. Insert two **Screws** (sold separately) through the **Wall Mount Brackets** and into the **Mounting Surface**.
5. Tighten the **Screws** using the appropriate **Screwdriver**.

DIN Rail Mounting

1. Align the holes in the **DIN Rail Bracket** with the holes in the back of the **PoE Splitter**.
2. Insert three **Phillips Head Screws** through the **DIN Rail Bracket** and into the **PoE Splitter.**
3. Tighten the **Phillips Head Screws** using a **Phillips Head Screwdriver**.
4. Hang the top of the **DIN Rail Bracket** (the section with the two metal clips) onto a **Top Hat** style **DIN Rail**.
5. Press the **DIN Rail Bracket** down and forward to lock the bottom section onto the **DIN Rail**.