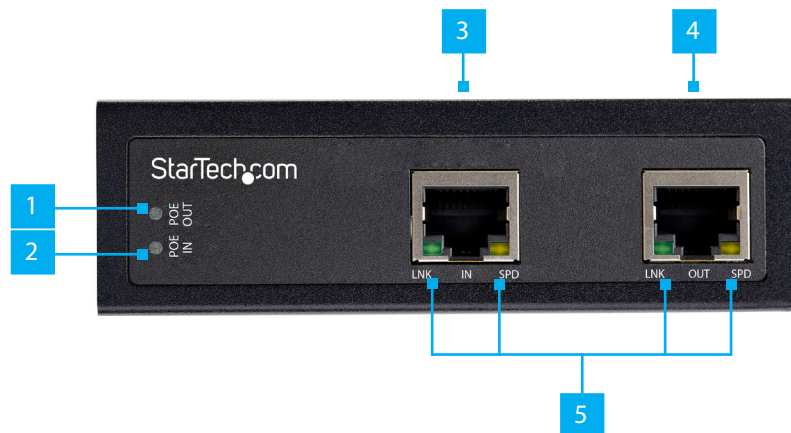# 60W Industrial-Grade Hardened 802.3af/at PoE Extender 10/100/1000 Mbps

Product Diagram (POEEXT1G60W)

Front View

Side View

	Component	Function
1	PoE Output LED Indicator	• Indicates the current status of the **PoE Powered Device (PD)** • ON - **Power Source Equipment (PSE)** is activated and **PD** is detected • OFF - **PSE** is not detecting **PD**
2	PoE Input LED Indicator	• Indicates the current status of the **PSE** • ON - Power is detected • Off - Power is not detected
3	PoE Input Port	• **PSE** provides power and data to the **PoE Extender** through a **Network Cable**
4	PoE Output Port	• The power and data is forwarded to the **PD** through a **Network Cable**
5	PoE Input and Output LED Indicators	• Indicates the connection status and network speeds of the **PoE Input Port** and the **PoE Output Port**
6	Grounding Screw	• Attach a **Grounding Wire** to protect **Network Equipment**

Requirements

For the latest requirements, please visit www.startech.com/POEEXT1G60W.

- Power Source Equipment x 1
- Powered Device x 1
- RJ45 Terminated UTP/STP Cat 5e (or better) Network Cable (sold separately) x 2
- Earth Ground Connection x 1
- Ground Wire x 1
- (Optional) #2 Phillips Head Screwdriver x 1
- (Optional) Screws for Wall Mounting x 2

Installation

Grounding the PoE Extender

1. Using the **Phillips Head Screwdriver** loosen the **Grounding Screw** on the **PoE Extender**.

2. Attach the **Grounding Wire** to the **Grounding Screw**.

3. Tighten the **Grounding Screw**.

4. Connect the other end of the **Grounding Wire** to the **Earth Ground Connection**.

Connecting the PoE Extender to an Existing PoE Connection

1. Connect a **Network Cable** to the **Output Port** on a **PSE Device** and to the **PoE Input Port** on the **PoE Extender**.

2. Connect a **Network Cable** to the **PoE Output Port** on the **PoE Extender** and to the **Input Port** on the **PD**.

Cascade PoE Extenders

1. Connect a **Network Cable** to the **Output Port** on a **PSE Device** and to the **PoE Input Port** on the **PoE Extender**.

2. Connect a **Network Cable** to the **PoE Output Port** on the **PoE Extender** and to the **PoE Input Port** on the next **PoE Extender**.

3. Repeat step 3 until a total of 4 **PoE Extenders** are connected.

4. Connect a **Network Cable** to the **PoE Output Port** on the last **PoE Extender** and to the **Input Port** on the **PD**.

(Optional) Mounting the PoE Extender

Wall Mounting

1. Align the holes in the **Wall Mount Brackets** with the holes in the back of the **PoE Extender**.

2. Insert two **Phillips Head Screws** through each **Wall Mount Bracket** and into the **PoE Extender.**

3. Tighten the **Phillips Head Screws** using a **Phillips Head Screwdriver** (sold separately).

    *Note: Be careful not to over-tighten the **Screws**.*

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 Extender**.

2. Insert three **Phillips Head Screws** through the **DIN Rail Bracket** and into the **PoE Extender.**

3. Tighten the **Phillips Head Screws** using a **Phillips Head Screwdriver**.

    *Note: Be careful not to over-tighten the **Screws**.*

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**.

Operation

PoE Input and Output LED Indicators

LED Type/ Color	Status	Indication
LNK/Green	On	• Connection established
	Off	• No connection established
	Flashing	• Data transmission detected
SPD/Amber	On	• 1000 Mbps link speed detected
	Off	• 100 Mbps link speed detected