

Industrial Single Port Gigabit PoE Extender - 60W 802.3bt PoE /PoE+/ PoE++ - 100m/ 330ft - Power Over Ethernet Network Range Extender - IP-30 - -40C to +75C

**Product ID:** POEEXT1G60W



Extends the reach of PoE links up to 328' (100 m) to power powered devices (PD) over long distances; up to 4 extenders can be cascaded to extend the range of a PoE source (PSE) device up to an additional 400m, for a total range of 500m from the original PSE source to the target device.

Using Cat 5e (or higher rated) Ethernet cabling, it supports IEEE 802.3af (PoE / Type 1), IEEE 802.3at (PoE+ / Type 2), and IEEE 802.3bt (PoE++ / Type 3) to support PD devices like pan and tilt cameras, lighting, sensors, and wi-fi access points.

This PoE extender features IP-30 housing and an MTBF is 500,000+ hrs (Telcordia/Bellcore) at 50C, for long-term reliability and durability. Operating temp of -40C to 75C permits use in a wide range of indoor and outdoor applications that are not temperature controlled.

Rated to various vibration, shock, and free-fall standards:

- Vibration: EN 60068-2-6
- Shock: EN 60068-2-27
- Free-Fall: EN 60068-2-32

PoE Extender also includes hardware for mounting to the DIN rail or wall.

Accepts inputs up to 95W from a PSE source and can provide 15W, 30W, or 60W of power output to a target PD device. Low 2.7W power consumption provides more power for devices, especially when multiple extenders are used for a single extension.

Features ESD, EFT, and surge protection at the following standards:

- ESD: IEC 61000-4-2: Contact: 6KV; Air: 8KV

- EFT: IEC 61000-4-4: Power: 2KV; Signal: 2KV
- Surge: IEC 61000-4-5: Power: 2KV; Signal: 2KV

POEEXT1G60W is backed by a StarTech.com two-year warranty and free lifetime technical support.

## Certifications, Reports and Compatibility

## Applications

## Features

- 100M EXTENSION: Extend a PSE source (up to 95W) by 100m using this Gigabit PoE Extender; power PoE devices like cameras & access points; 4 extenders can be cascaded to extend up to 400m using CAT 5e/6
- 60W PoE IEEE 802.3bt: Powered by the PSE source, this Power over Ethernet range extender provides up to 15W/30W/60W of auto-negotiated power output to target PD device Low 2.7W power consumption
- TECH SPECS: 1 Gbps 1 x RJ45 PD In 1 x RJ45 PSE Out IEEE 802.3af / IEEE 802.3at / IEEE 802.3bt (60W) 10/100/1000 Mbps 9K Jumbo Frames DIN or Wall Mount
- ROBUST DESIGN: Industrial Power over Ethernet Network Extender w/MTBF of 500,000+hrs @ 50C Vibration, shock & free fall rated Rugged IP-30 aluminum housing Hardened operating temp of -40C to 75C
- STARTECH.COM ADVANTAGE: IT professionals' choice for over 30 years This Gigabit PoE Extender is backed for 2-years by StarTech.com, including free 24/5 North America based multi-lingual tech support

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### Hardware

Warranty	2 Years
Ports	2
Industry Standards	IEEE 802.3 10BASE-T, IEEE 802.3u 100BASE-TX, IEEE 802.3ab 1000BASE-T, IEEE 802.3x, IEEE 802.3z 1000BASE-TX, IEEE 802.3af Power over Ethernet, IEEE 802.3at PoE Plus, IEEE 802.3bt
Chipset ID	Realtek RTL8367, Microsemi PD69101

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### Performance

Maximum Cable Length	328.0 ft [100 m]
Flow Control	IEEE 802.3x Flow Control and Back Pressure
Surge Protection	2kV
Compatible Networks	10/100/1000 Mbps



Auto MDIX	Yes
Full Duplex Support	Yes
Jumbo Frame Support	9K max.
General Specifications	ESD Standard: IEC 61000-4-2: Contact: 6KV; Air: 8KV, EFT Standard: IEC 61000-4-4: Power: 2KV; Signal: 2KV, Surge Standard: IEC 61000-4-5: Power: 2KV; Signal: 2KV, Vibration Standard: EN 60068-2-6, Shock Standard: EN 60068-2-27, Free-Fall Standard: EN 60068-2-32, Housing Standard: IP-30,
MTBF	551, 848 hours
Supported Protocols	CSMA/CD, IEEE 802.3, IEEE 802.3at, IEEE 802.3af, IEEE 802.3bt

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#### Connector(s)

Connector Type(s)	RJ-45 (PoE+)
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#### Special Notes / Requirements

Patents and Licenses	United States Patent No. 5,406,260 (expired) , United States Patent No. 6,650,622, United States Patent No. 7,457,250, United States Patent No. 8,155,012, United States Patent No. 8,902,760, United States Patent No. 8,942,107, United States Patent No. 9,019,838, United States Patent No. 9,049,019, United States Patent Application No. 14/695,456, United States Patent Application No. 14/726,940,
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#### Indicators

LED Indicators	PoE IN, PoE OUT
	RJ45 Link/ACT
	RJ45 Link Speed

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#### Power

Power Source	Not Included (not required for standard applications)
Power Consumption (In Watts)	2.7W

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#### Environmental

Operating Temperature	-40C to 75C
Storage Temperature	-40C to 85C
Humidity	5 to 95% (non-condensing)

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**Physical Characteristics**

Color	Black
Material	Aluminum
Product Length	4.1 in [10.4 cm]
Product Width	3.2 in [81.5 mm]
Product Height	1.3 in [32.0 mm]
Weight of Product	5.2 oz [148.0 g]

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**Packaging Information**

Package Length	6.4 in [16.2 cm]
Package Width	8.3 in [21.1 cm]
Package Height	2.5 in [64.0 mm]
Shipping (Package) Weight	13.8 oz [390.0 g]

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**What's in the Box**

Included in Package	Industrial-Grade PoE Extender
	Mounting Hardware Kit
	Quick-Start Guide

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***\*Product appearance and specifications are subject to change without notice.***

