

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 60068-2-6Shock: EN 60068-2-27Free-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: 8KVEFT: IEC 61000-4-4: Power: 2KV; Signal: 2KVSurge: 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
- **PERFORMANCE & RELIABILITY:** Industrial PoE+ Network Extender w/MTBF of 500,000+hrs @ 50C Vibration, shock & free fall rated IP-30 aluminum housing Hardened operating temp of -40C to 75C
- **STARTECH.COM ADVANTAGE:** Includes mounting hardware for DIN/wall mounting and is backed by a 2-year warranty and lifetime 24/5 multilingual technical support

Hardware	Warranty	2 Years
	Ports	2
	Industry Standards	IEEE 802.3 10BASE-T</br>IEEE 802.3u 100BASE-TX</br>IEEE 802.3ab 1000BASE-T</br>IEEE 802.3x</br>IEEE 802.3z 1000BASE-TX</br>IEEE 802.3af Power over Ethernet</br>IEEE 802.3at PoE Plus</br>IEEE 802.3bt
	Chipset ID	Realtek RTL8367</br>Microsemi PD69101
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</br>EFT Standard: IEC 61000-4-4: Power: 2KV; Signal: 2KV</br>Surge Standard: IEC 61000-4-5: Power: 2KV; Signal: 2KV</br>Vibration Standard: EN 60068-2-6</br>Shock Standard: EN 60068-2-27</br>Free-Fall Standard: EN 60068-2-32</br>Housing Standard: IP-30</br>
	MTBF	551, 848 hours
	Supported Protocols	CSMA/CD</br>IEEE 802.3</br>IEEE 802.3at</br>IEEE 802.3af</br>IEEE 802.3bt

Connector(s)	Connector Type(s)	RJ-45 (PoE+)
Special Notes / Requirements	Patents and Licenses	United States Patent No. 5,406,260 (expired) </br>United States Patent No. 6,650,622</br>United States Patent No. 7,457,250</br>United States Patent No. 8,155,012</br>United States Patent No. 8,902,760</br>United States Patent No. 8,942,107</br>United States Patent No. 9,019,838</br>United States Patent No. 9,049,019</br>United States Patent Application No. 14/695,456</br>United States Patent Application No. 14/726,940</br>
Indicators	LED Indicators	PoE IN, PoE OUT
	LED Indicators	RJ45 Link/ACT
	LED Indicators	RJ45 Link Speed
Power	Power Source	Not Included (not required for standard applications)
	Power Consumption (In Watts)	2.7W
Environmental	Operating Temperature	-40C to 75C
	Storage Temperature	-40C to 85C
	Humidity	5 to 95% (non-condensing)
Physical Characteristics	Color	Black
	Material	Aluminum
	Product Length	4.1 in [1.0 cm]
	Product Width	3.2 in [81.5 mm]
	Product Height	1.3 in [32 mm]
	Weight of Product	5.2 oz [148 g]
Packaging Information	Package Length	6.4 in [1.6 cm]
	Package Width	8.3 in [2.1 cm]
	Package Height	2.5 in [64 mm]
	Shipping (Package) Weight	13.8 oz [390 g]
What's in the Box	Included in Package	Industrial-Grade PoE Extender
	Included in Package	Mounting Hardware Kit
	Included in Package	Quick-Start Guide

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

