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 - TAA

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

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
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
Connector(s)		
	Connector Type(s)	2 - RJ-45 (PoE+)
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,
Indicators		
	LED Indicators	2 - PoE IN, PoE OUT
		2 - RJ45 Link/ACT
		2 - 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 [10.4 cm]
	Product Width	3.2 in [8.2 cm]
	Product Height	1.3 in [3.2 cm]
	Weight of Product	5.2 oz [148.0 g]
Packaging Information		
	Package Quantity	1
	Package Length	8.4 in [21.4 cm]
	Package Width	6.5 in [16.6 cm]
	Package Height	2.6 in [6.6 cm]
	Shipping (Package) Weight	12.3 oz [348.0 g]
What's in the Box		
	Included in Package	1 - Industrial-Grade PoE Extender
		1 - Mounting Hardware Kit
		1 - Quick-Start Guide

Warranty Information

Warranty	2 Years

Product appearance and specifications are subject to change without notice.