

# 1-Port Gigabit PoE+ Extender - 802.3at and 802.3af - 100 m (330 ft)

Product ID: POEEXT1GAT



This Gigabit PoE+ extender spans your Power over Ethernet (PoE) device over longer distances, letting you double the 100m limitations of a traditional PoE infrastructure.

Now you can connect your Gigabit PoE device up to a maximum of 200m away, so it's easy to install a remote IP camera or access point. Plus the extender can be daisy-chained for more scalability.



## Unrestricted PoE+ range and convenience

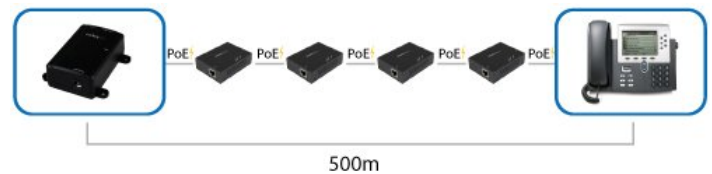
Need more distance? This convenient PoE+ repeater maximizes range and flexibility by extending your PoE connection by an extra 100m (330ft), while providing 24-watt power output to compatible devices.

Simply connect the extender to your power sourcing equipment (PSE) and your PoE-powered device (PD) and you're all set. The extender is compliant with the 802.3at/af standard, so it will work with existing PSE, such as a StarTech.com [PoE+ injector](#) (POEINJ1G) or [PoE+ switch](#) (IES81000POE).

### Daisy chain for longer distance and flexibility

Still need more distance? If an extra 100m isn't enough, this full-featured PoE extender offers daisy chain capability.

You can easily connect four extenders together, letting you install your PoE+ PD up to 500m (1640ft) away. It's perfect for business, education, and retail environments (output wattage is dependent on the number of daisy-chained extenders used).



### Convenient installation options and durable construction

Get up and running quickly. This Gigabit PoE+ extender can be positioned right where you need it, with a wall-mountable design that requires no external power adapter.

You can enjoy reliable performance with little worry of downtime or failure, the extender features a rugged metal housing with built-in ESD and surge protection.

The POEEXT1GAT is backed by a StarTech.com 2-year warranty and free lifetime technical support.

### Certifications, Reports and Compatibility



### Applications

- Ideal for Wi-Fi® access points, IP phones, surveillance cameras, and kiosks where a power connection is not available
- Enable remote installation of PoE+ devices over longer distance than conventional PoE range capabilities
- Perfect for SOHO, SMB, system integrators, and IT administrators

### Features

- Deploy and access your Gigabit PoE-powered devices (PD) further away
- Extend your PoE PDs over longer distances by daisy-chaining four extenders up to 500m (1640ft) total range (reduced power output at each connection)
- Compact, wall-mountable, and rugged metal housing for convenience and reliability
- 2kV ESD and surge protection
- Plug-and-play setup with no power adapter required
- IEEE 802.3at 30W input to IEEE 802.3at/af 24W output
- 52V to 56V output voltage
- Automatically detects your connected PD to prevent damage if incorrectly installed

<b>Hardware</b>	Warranty	2 Years
	Industry Standards	IEEE 802.3af PoE, IEEE 802.3at PoE+  IEEE 802.3 10BASE-T, IEEE 802.3u 100BASE-TX, IEEE 802.3ab 1000BASE-T
	Ports	1
<b>Performance</b>	Auto MDIX	Yes
	Compatible Networks	10/100/1000 Mbps
	Flow Control	Half-duplex back-pressure IEEE 802.3x pause frame for full-duplex
	Full Duplex Support	Yes
	Jumbo Frame Support	No
	Maximum Cable Length	328 ft [100 m]
	Maximum Data Transfer Rate	2 Gbps (Full-Duplex)
	MTBF	50,000 Hours
	Power Output	One extender - 24W Power Output: Two extender daisy chain - 20W Power Output: Three extender daisy chain - 16W Power Output: Four extender daisy chain - 12W
	Surge Protection	EN61000-4-2 (ESD) - 2kV EN61000-4-5 (Surge) - 2kV
Switching Architecture	Store-and-Forward	
<b>Connector(s)</b>	Connector Type(s)	2 - RJ-45 Female
<b>Special Notes / Requirements</b>	<b>Note</b>	Total extension distances can often be shorter due to power delivery voltage-drop on the connected cables. Maximum distances can vary based on the quality of the UTP cables and the environment.  You may daisy chain up to 4 POEEXT1GAT units total, for a maximum of 500m. The 4th unit will supply IEEE 802.3af up to 12W output.

Patents and Licenses

The following patents are licensed for this product. This list might not be all inclusive.

- 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

System and Cable Requirements

If your connected device does not meet the IEEE 802.3af or IEEE 802.3at PoE standard, then the POEEXT1GAT will not pass-through power to the connected device / Ethernet cable.

<b>Indicators</b>	LED Indicators	1 - PoE IN  1 - LNK/ACT  1 - PoE OUT
	<b>Power</b>	
	Output Voltage	52 ~ 56 DC
	Power Consumption (In Watts)	3.2 W Max
	Power Source	PoE-Powered
<b>Environmental</b>	Humidity	5~95% RH (Non-Condensing)
	Operating Temperature	0°C to 50°C (32°F to 122°F)
	Storage Temperature	-10°C to 85°C (14°F to 185°F)
<b>Physical Characteristics</b>	Color	Black
	Material	Steel
	Product Height	1 in [2.5 cm]
	Product Length	3.7 in [94 mm]
	Product Width	2.7 in [69 mm]
	Weight of Product	6.8 oz [193 g]
<b>Packaging Information</b>	Package Height	2.8 in [70 mm]
	Package Length	8.1 in [20.5 cm]
	Package Width	5.3 in [13.5 cm]
	Shipping (Package) Weight	12.1 oz [343 g]
<b>What's in the Box</b>	Included in Package	1 - Gigabit Power over Ethernet extender

	1 - instruction manual
Auto-Negotiation	Yes

Product appearance and specifications are subject to change without notice.