

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

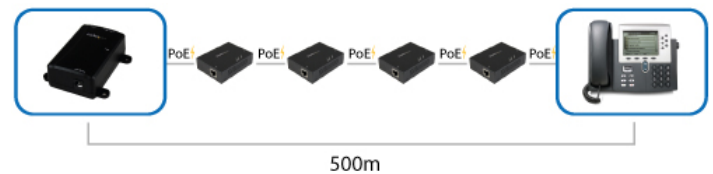
Need more distance? This convenient PoE+ repeater maximizes range and flexibility by extending your PoE connection by an extra 100m (330ft), while providing 24-watt power output to compatible devices.

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

Hardware	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
Performance	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	100 m [328 ft]
	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	
Connector(s)	Connector Type(s)	2 - RJ-45 Female
Special Notes / Requirements	Note	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	<p>The following patents are licensed for this product. This list might not be all inclusive.</p> <ul style="list-style-type: none"> • 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	<p>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.</p>
Indicators	LED Indicators	<p>1 - PoE IN</p> <p>1 - LNK/ACT</p> <p>1 - PoE OUT</p>
Power	Output Voltage	52 ~ 56 DC
	Power Consumption (In Watts)	3.2 W Max
	Power Source	PoE-Powered
Environmental	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)
Physical Characteristics	Color	Black
	Enclosure Type	Steel
	Product Height	2.5 cm [1 in]
	Product Length	94 mm [3.7 in]
	Product Width	69 mm [2.7 in]
	Weight of Product	193 g [6.8 oz]
Packaging Information	Package Height	70 mm [2.8 in]
	Package Length	20.5 cm [8.1 in]
	Package Width	13.5 cm [5.3 in]
	Shipping (Package) Weight	343 g [12.1 oz]
What's in the Box	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.