

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.

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 [%product id="POEINJ1G" text="PoE+ injector"%] (POEINJ1G) or [%product id="IES81000POE" text="PoE+ switch"%] (IES81000POE).

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).

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

- Perfect for SOHO, SMB, system integrators, and IT administrators
- 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

Features

- Automatically detects your connected PD to prevent damage if incorrectly installed
- 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
- Extend your PoE PDs over longer distances by daisy-chaining four extenders up to 500m (1640ft) total range (reduced power output at each connection)
- 52V to 56V output voltage
- Deploy and access your Gigabit PoE-powered devices (PD) further away
- IEEE 802.3at 30W input to IEEE 802.3at/af 24W output

Hardware	Warranty	2 Years
	Ports	1
	Industry Standards	IEEE 802.3af PoE, IEEE 802.3at PoE+
	Industry Standards	IEEE 802.3 10BASE-T, IEEE 802.3u 100BASE-TX, IEEE 802.3ab 1000BASE-T
Performance	Maximum Data Transfer Rate	2 Gbps (Full-Duplex) 328.0 ft [100 m]
	Maximum Cable Length	Half-duplex back-pressure
	Flow Control	IEEE 802.3x pause frame for full-duplex
	Surge Protection	EN61000-4-2 (ESD) - 2kV
	Compatible Networks	EN61000-4-5 (Surge) - 2kV
	Auto MDIX	10/100/1000 Mbps
	Full Duplex Support	Yes
	Jumbo Frame Support	Yes
	Switching Architecture	No
	General Specifications	Store-and-Forward
MTBF		

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

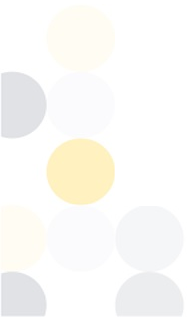
50,000 Hours

Connector(s)	Connector Type(s)	RJ-45
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Special Notes / Requirements	Patents and Licenses	The following patents are licensed for this product. This list might not be all inclusive.
	System and Cable Requirements	<ul style="list-style-type: none"> • United States Patent No. 5,406,260 (expired)
	Note	<ul style="list-style-type: none"> •United States Patent No. 6,650,622
	Note	<ul style="list-style-type: none"> •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 <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> <p>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.</p> <p>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.</p>

Indicators	LED Indicators	PoE IN
	LED Indicators	LNK/ACT
	LED Indicators	PoE OUT

Power	Power Source	PoE-Powered
	Output Voltage	52 ~ 56 DC



Power Consumption (In Watts) 3.2 W Max

Environmental	Operating Temperature	0C to 50C (32F to 122F)
	Storage Temperature	-10C to 85C (14F to 185F)
	Humidity	5~95% RH (Non-Condensing)
Physical Characteristics	Color	Black
	Material	Steel
	Product Length	3.7 in [94.000 mm]
	Product Width	2.7 in [69.000 mm]
	Product Height	1.0 in [25.000 mm]
	Weight of Product	6.8 oz [193.000 g]
Packaging Information	Package Length	8.1 in [2.0 cm]
	Package Width	5.3 in [1.4 cm]
	Package Height	2.8 in [70.000 mm]
	Shipping (Package) Weight	12.1 oz [343.000 g]
What's in the Box	Included in Package	Gigabit Power over Ethernet extender
	Included in Package	instruction manual

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

