

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 PoE+ injector (POEINJ1G) or 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

- 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

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### Hardware

Warranty	2 Years
Ports	1
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

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### Performance

Maximum Data Transfer Rate	2 Gbps (Full-Duplex)
Maximum Cable Length	328.0 ft [100 m]
Flow Control	Half-duplex back-pressure  IEEE 802.3x pause frame for full-duplex
Surge Protection	EN61000-4-2 (ESD) - 2kV

	EN61000-4-5 (Surge) - 2kV
Compatible Networks	10/100/1000 Mbps
Auto MDIX	Yes
Full Duplex Support	Yes
Jumbo Frame Support	No
Switching Architecture	Store-and-Forward
General Specifications	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
MTBF	50,000 Hours
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<b>Connector(s)</b>	
Connector Type(s)	RJ-45
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<b>Special Notes / Requirements</b>	
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"> <li>• United States Patent No. 5,406,260 (expired)</li> <li>• United States Patent No. 6,650,622</li> <li>• United States Patent No. 7,457,250</li> <li>• United States Patent No. 8,155,012</li> <li>• United States Patent No. 8,902,760</li> <li>• United States Patent No. 8,942,107</li> <li>• United States Patent No. 9,019,838</li> <li>• United States Patent No. 9,049,019</li> <li>• United States Patent Application No. 14/695,456</li> <li>• United States Patent Application No. 14/726,940</li> </ul>
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>



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.

## Indicators

LED Indicators	PoE IN
	LNK/ACT
	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 [94.0 mm]
Product Width	2.7 in [69.0 mm]
Product Height	1.0 in [25.0 mm]
Weight of Product	6.8 oz [193.0 g]

## Packaging Information

Package Length	8.1 in [20.5 cm]
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Package Width	5.3 in [13.5 cm]
Package Height	2.8 in [70.0 mm]
Shipping (Package) Weight	12.1 oz [343.0 g]

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**What's in the Box**

Included in Package	Gigabit Power over Ethernet extender
	instruction manual

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

