

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

Product ID: POEEXT2GAT



This 2-port Gigabit PoE+ extender spans your Power over Ethernet (PoE) devices over longer distances, letting you double the 100 m limitation of a traditional PoE infrastructure.

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

Need more distance? This convenient two-port PoE+ repeater maximizes range and flexibility by extending your PoE connections by an extra 100 m (330 ft.), while providing 23-watt power output to two compatible devices. (The power output is shared between each PoE output port).

Simply connect the extender to your power sourcing equipment (PSE) and your PoE-powered devices (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 100 m isn't enough, this full-featured PoE extender offers daisy-chain capability.

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

Get up and running quickly. This 2-port Gigabit PoE+ extender can be positioned right where you need it, with a wall-mountable design that requires no external power adapter.

With its rugged metal housing and built-in ESD and surge protection, the PoE+ extender gives you reliable performance with little worry of downtime or failure.

The POEEXT2GAT 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 two PoE+ devices over longer distance than conventional PoE range capabilities
- Perfect for SOHO, SMB, system integrators, and IT administrators

Features

- Deploy, power, and access two Gigabit PoE-powered devices (PD) located 330 ft. away, and in locations where power outlets are unavailable
- Daisy-chain four extenders up to 500 m (1640 ft.) total range (reduced power output at each connection)
- Compact, wall-mountable, and rugged metal housing for convenience and reliability
- 4kV ESD and surge protection
- Plug-and-play setup with no power adapter required
- IEEE 802.3at 30W input to IEEE 802.3at/af 23W output
- 52V to 56V output voltage
- Automatically detects your connected PD to prevent damage if incorrectly installed
- No external power adapter required

Hardware

Warranty	2 Years
Ports	2
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

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) - 4kV EN61000-4-5 (Surge) - 4kV
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: up to 23W
MTBF	50,000 Hours

Connector(s)

Connector Type(s)	RJ-45
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Special Notes / Requirements

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	If your connected device does not meet the IEEE 802.3af or IEEE 802.3at PoE standard, then the POEEXT2GAT will not pass-through power to the connected device / Ethernet cable.
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.

Indicators

LED Indicators	Port Link / Activity
	PoE Power

Power

Power Source	PoE-Powered
Output Voltage	52 ~ 56 DC
Power Consumption (In Watts)	3 W Max

Environmental

Operating Temperature	0C to 50C (32F to 122F)
Storage Temperature	-10C to 70C (14F to 158F)
Humidity	5~90% RH (Non-Condensing)

Physical Characteristics

Color	Black
Material	Steel
Product Length	5.5 in [14.0 cm]
Product Width	3.0 in [77.0 mm]
Product Height	1.1 in [27.0 mm]
Weight of Product	8.4 oz [239.0 g]

Packaging Information

Package Length	6.7 in [16.9 cm]
Package Width	4.8 in [12.3 cm]
Package Height	3.9 in [99.0 mm]
Shipping (Package) Weight	13.0 oz [367.0 g]



What's in the Box

Included in Package	Gigabit PoE extender
	rubber feet
	quick-start guide

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

