

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.

Unrestricted PoE+ range and convenience

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).

Daisy chain for longer distance and more flexibility

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).

Convenient installation options and durable construction

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
	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	2
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	328 ft [100 m]
	Maximum Data Transfer Rate	2 Gbps (Full-Duplex)
	MTBF	50,000 Hours
	Power Output	up to 23W
	Surge Protection	EN61000-4-2 (ESD) - 4kV EN61000-4-5 (Surge) - 4kV
	Switching Architecture	Store-and-Forward
Connector(s)	Connector Type(s)	3 - 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.
	Patents and Licenses	The following patents are licensed for this product. This list might not be all inclusive. <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.

Indicators	LED Indicators	3 - Port Link / Activity 3 - PoE Power
Power	Output Voltage	52 ~ 56 DC
	Power Consumption (In Watts)	3 W Max
	Power Source	PoE-Powered
Environmental	Humidity	5~90% RH (Non-Condensing)
	Operating Temperature	0°C to 50°C (32°F to 122°F)
	Storage Temperature	-10°C to 70°C (14°F to 158°F)
Physical Characteristics	Color	Black
	Enclosure Type	Steel
	Product Height	1.1 in [2.7 cm]
	Product Length	5.5 in [14 cm]
	Product Width	3 in [77 mm]
	Weight of Product	8.4 oz [239 g]
Packaging Information	Package Height	3.9 in [99 mm]
	Package Length	6.7 in [16.9 cm]
	Package Width	4.8 in [12.3 cm]
	Shipping (Package) Weight	13 oz [367 g]
What's in the Box	Included in Package	1 - Gigabit PoE extender 4 - rubber feet 1 - quick-start guide
	Auto-Negotiation	Yes

Product appearance and specifications are subject to change without notice.