

Spec Sheet

Gigabit PoE+ Extender - 802.3at/af - 100m (330ft)

StarTech 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 <u>PoE+ injector</u> (POEINJ1G) or <u>PoE+ switch</u> (IES81000POE).

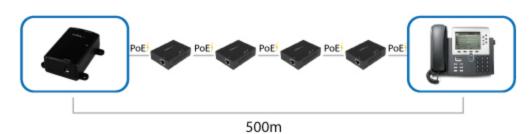
Daisy chain for longer distance and flexibility

Still need more distance? If an extra 100m isn't enough, this full-featured PoE extender offers daisy chain capability.



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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 wallmountable 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.

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 input voltage
- Automatically detects your connected PD to prevent damage if incorrectly installed



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Technical Specifications

Warranty	2 Years
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
Ports	1
Auto MDIX	Yes
Auto- Negotiation	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 Type(s)	2 - RJ-45 Female
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.
Note	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.



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System and Cable Requirements	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.
Color	Black
Enclosure Type	Steel
Product Height	25 mm [1 in]
Product Length	94 mm [3.7 in]
Product Weight	: 188 g [6.6 oz]
Product Width	69 mm [2.7 in]
LED Indicators	1 - PoE IN
LED Indicators	1 - LNK/ACT
LED Indicators	1 - PoE OUT
Input Voltage	52 ~ 56 DC
Power Consumption	3.2 W Max
Power Source	PoE-Powered
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)
Shipping (Package) Weight	339 g [12 oz]
Included in Package	1 - Gigabit Power over Ethernet extender
Included in Package	1 - instruction manual



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Certifications, Reports and Compatibility







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