

## 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 [PoE+ injector](#) (POEINJ1G) or [PoE+ switch](#) (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.

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 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.

### 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

**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<br>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               | One extender - 24W<br>Power Output: Two extender daisy chain - 20W<br>Power Output: Three extender daisy chain - 16W<br>Power Output: Four extender daisy chain - 12W                             |
| Surge Protection           | EN61000-4-2 (ESD) - 2kV<br>EN61000-4-5 (Surge) - 2kV  |
| Switching Architecture     | Store-and-Forward   |
| Connector Type(s)          | 2 - RJ-45 Female  |
| <b>Note</b>                | 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. |
| <b>Note</b>                | 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.  |

|                               |   |
|-------------------------------|---|
| 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                | 1 in [26 mm]  |
| Product Length                | 2.8 in [70 mm]  |
| Product Weight                | 7 oz [197 g]  |
| Product Width                 | 3.7 in [94 mm]  |
| 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   |
| 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     | 10.6 oz [300 g]   |
| Included in Package           | 1 - Gigabit Power over Ethernet Extender  |
| Included in Package           | 1 - Instruction Manual  |

Certifications, Reports and Compatibility

