

## EnGenius EPA2406GR

# EnGenius Gigabit Proprietary PoE Adapter with Reset Button User Manual

Model: EPA2406GR

Brand: EnGenius

## INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of the EnGenius Gigabit Proprietary PoE Adapter with Reset Button, model EPA2406GR. This adapter is designed to deliver both high-speed data and power over Ethernet to compatible EnGenius outdoor access points, ensuring reliable network connectivity and power delivery.

## PRODUCT OVERVIEW

The EnGenius EPA2406GR is a compact and efficient Power-over-Ethernet (PoE) adapter. It features a proprietary design optimized for EnGenius devices, providing up to 14.4 watts of power. Key features include:

- **Gigabit Ethernet Ports:** Equipped with both input and output Gigabit Ethernet ports for high-speed data transfer.
- **Integrated Power Delivery:** Delivers both data and power to compatible EnGenius outdoor access points.
- **Convenient Reset Button:** A built-in reset button on the PoE injector allows for easy device resets without physical access to the connected device.
- **Robust Protection:** Includes disconnect, short-circuit, and surge protection to safeguard connected equipment.
- **Flexible Mounting:** Designed for easy mounting to walls or ceilings with included hardware.
- **Extended Reach:** Capable of extending power to unwired areas up to 328 feet (100 meters).



This image displays the EnGenius Gigabit Proprietary PoE Adapter, highlighting its compact black casing and the labeled PWR (Power), PoE (Power over Ethernet), and LAN (Local Area Network) ports. The EnGenius logo is visible on the top surface.

## SETUP AND INSTALLATION

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Follow these steps to properly set up and install your EnGenius PoE Adapter:

1. **Mounting:** Choose a suitable location for the adapter, preferably near a power outlet and your network equipment. Use the included hardware to mount the adapter securely to a wall or ceiling. Ensure adequate ventilation around the device.
2. **Connect Network Input:** Connect an Ethernet cable from your network switch or router to the **LAN** port on the PoE adapter.
3. **Connect PoE Output:** Connect another Ethernet cable from the **PoE** port on the adapter to the compatible EnGenius outdoor access point or other PoE-powered device. This cable will carry both data and power.
4. **Connect Power:** Plug the power cord into the adapter's power input and then into a standard

electrical outlet. The PWR indicator light on the adapter should illuminate, indicating that the unit is receiving power.

5. **Verify Connection:** Once all connections are made, verify that the connected EnGenius device is powered on and functioning correctly.

## OPERATING INSTRUCTIONS

The EnGenius EPA2406GR operates automatically once connected and powered. It provides continuous data and power to the connected PoE device.

- **Power Indicator (PWR):** A solid light indicates that the adapter is receiving power.
- **PoE Indicator (PoE):** This light indicates that power is being supplied to the connected PoE device.
- **LAN Indicator (LAN):** This light indicates active data connection to your network.
- **Reset Button:** The reset button is located on the PoE injector. Pressing this button will initiate a reset of the connected EnGenius device. This is particularly useful for remote devices that are difficult to access physically. Consult your connected device's manual for specific reset procedures (e.g., short press for reboot, long press for factory reset).

## MAINTENANCE

The EnGenius PoE Adapter is designed for minimal maintenance. To ensure optimal performance and longevity:

- **Cleaning:** Periodically wipe the exterior of the adapter with a soft, dry cloth. Do not use liquid cleaners or aerosols.
- **Ventilation:** Ensure that the adapter is placed in an area with adequate airflow to prevent overheating. Do not block ventilation openings.
- **Cable Integrity:** Regularly inspect Ethernet cables for any signs of damage or wear. Replace damaged cables immediately to prevent connectivity issues or potential hazards.
- **Environmental Conditions:** Operate the adapter within its specified environmental conditions (temperature, humidity) to avoid damage.

## TROUBLESHOOTING

If you encounter issues with your EnGenius PoE Adapter, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No Power (PWR light off)	Power cord not connected; Power outlet faulty; Adapter malfunction.	Ensure power cord is securely plugged into adapter and outlet. Test outlet with another device. If problem persists, contact support.
No Data Connection (LAN light off)	Ethernet cable faulty or disconnected; Network device issue; Incorrect port connection.	Check Ethernet cable connections to the LAN port. Try a different cable. Verify your network switch/router is functioning.

Problem	Possible Cause	Solution
No Power to PoE Device (PoE light off)	PoE cable faulty or disconnected; Connected device not PoE compatible; Overload/short circuit.	Ensure Ethernet cable from PoE port to device is secure. Verify the connected device is compatible with passive PoE. Check for short circuits in the cable run.
Connected Device Unresponsive	Device frozen; Network configuration issue.	Use the reset button on the PoE adapter to reboot the connected device. Check network settings on the connected device.

## SPECIFICATIONS


Detailed technical specifications for the EnGenius EPA2406GR PoE Adapter:


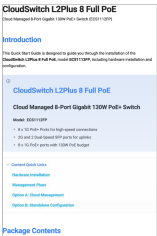
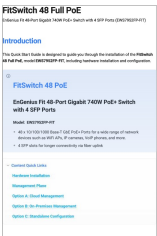
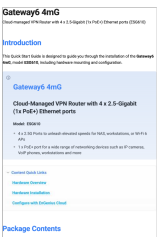
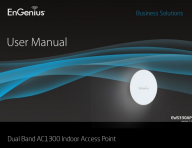
- Model:** EPA2406GR
- Product Dimensions:** 1 x 6.2 x 5 inches
- Item Weight:** 8 ounces (0.5 Pounds)
- Hardware Interface:** Ethernet
- Color:** Black
- Compatible Devices:** EnStation5-AC(v2), ENH500v3, ENS500EXT-AC(v2)
- Data Link Protocol:** Ethernet
- Data Transfer Rate:** 1000 Megabits Per Second (1 Gigabit)
- UPC:** 655216008649
- ASIN:** B0C6BLMBXL
- Manufacturer:** ENGЕНИUS TECHNOLOGIES,INC
- First Available Date:** May 2, 2023

## WARRANTY AND SUPPORT

For warranty information, technical support, or further assistance with your EnGenius product, please visit the official EnGenius website or contact their customer service department. You can also find more information and resources on the [EnGenius Brand Store on Amazon](#).

### Related Documents - EPA2406GR

	<p><a href="#">EnGenius Cloud-Managed Switch Series Datasheet</a></p> <p>Comprehensive datasheet for EnGenius Cloud-Managed Switch Series, detailing features, benefits, technical specifications, and product models for enterprise-grade network management.</p>
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	<p><a href="#">EnGenius CloudSwitch Aggregate 8XG Full PoE ECS5512FP Quick Start Guide</a></p> <p>This guide provides installation and configuration instructions for the EnGenius CloudSwitch Aggregate 8XG Full PoE (ECS5512FP), detailing package contents, system requirements, and hardware overview.</p>
	<p><a href="#">CloudSwitch L2Plus 8 Full PoE ECS1112FP Quick Start Guide</a></p> <p>Quick Start Guide for the CloudSwitch L2Plus 8 Full PoE, model ECS1112FP. Covers hardware installation and configuration for this 8-port Gigabit 130W PoE+ switch.</p>
	<p><a href="#">EnGenius FitSwitch 48 Full PoE (EWS7952FP-FIT) Quick Start Guide</a></p> <p>Quick start guide for installing and configuring the EnGenius FitSwitch 48 Full PoE (EWS7952FP-FIT), a 48-port Gigabit PoE+ switch with 4 SFP ports. Includes package contents, system requirements, and hardware overview.</p>
	<p><a href="#">EnGenius Gateway6 4mG (ESG610) Cloud-Managed VPN Router Quick Start Guide</a></p> <p>Quick start guide for installing and configuring the EnGenius Gateway6 4mG (ESG610) Cloud-Managed VPN Router, covering hardware overview, installation, and cloud setup.</p>
	<p><a href="#">EnGenius EWS330AP User Manual: Dual Band AC1300 Indoor Access Point Guide</a></p> <p>Comprehensive user manual for the EnGenius EWS330AP Dual Band AC1300 Indoor Access Point. Learn about installation, configuration, technical specifications, and management features.</p>