

[Manuals.plus](#) /

› [TP-Link](#) /

› TP-Link TL-SG108PE 8-Port Gigabit Easy Smart PoE+ Switch User Manual

TP-Link TL-SG108PE

TP-Link TL-SG108PE 8-Port Gigabit Easy Smart PoE+ Switch User Manual

Model: TL-SG108PE

1. INTRODUCTION

The TP-Link TL-SG108PE is an 8-Port Gigabit Easy Smart Switch with 4 PoE+ ports, designed for small and medium-sized business networks. It provides a simple way to expand your wired network while simultaneously transferring power and data over a single Ethernet cable to Power over Ethernet (PoE) compatible devices. This switch offers network monitoring, traffic prioritization, and VLAN features, all manageable via a web-based user interface or the Easy Smart Configuration Utility.

2. PACKAGE CONTENTS

Verify the following items are included in your package:

- TL-SG108PE Switch
- Power Adapter
- Installation Guide



Image: The retail box for the TP-Link TL-SG108PE switch, illustrating the product and its key features.

3. PRODUCT OVERVIEW

3.1 Front Panel

The front panel of the TL-SG108PE switch features eight RJ45 ports, LED indicators, and a Reset button.



Image: Front view of the TL-SG108PE switch, highlighting the eight Gigabit Ethernet ports (ports 1-4 are PoE+) and status LEDs.

- **Ports 1-4 (PoE+):** These ports support Power over Ethernet Plus (PoE+) and can supply power to compatible devices such as IP cameras, IP phones, and wireless access points.
- **Ports 5-8:** Standard Gigabit Ethernet ports for connecting non-PoE network devices.
- **LED Indicators:**
 - **Power LED:** Indicates the power status of the switch.
 - **PoE Max LED:** Indicates the total PoE power budget usage.

- **Link/Act/Speed LEDs (per port):** Indicate connection status, activity, and speed (10/100/1000 Mbps).
- **Reset Button:** Used to restore the switch to its factory default settings.

3.2 Rear Panel

The rear panel includes the power input connector.



Image: Rear view of the TL-SG108PE switch, showing the power input port (53.5V === 1.31A).

- **Power Input:** Connect the provided power adapter here.

4. SETUP

4.1 Hardware Installation

1. **Placement:** Place the switch on a flat, stable surface or mount it to a wall. Ensure adequate ventilation around the device.
2. **Connect to Power:** Connect the provided power adapter to the switch's power input and then plug it into a standard electrical outlet. The Power LED on the front panel should illuminate.

Easy to Use

1 Connect To Power



2 Connect The Devices



3 Enjoy



Image: An illustration demonstrating the simple setup process: connect to power, then connect network devices.

4.2 Connecting Network Devices

Use standard Ethernet cables to connect your network devices to the switch ports.

- **PoE Devices:** Connect PoE-compatible devices (e.g., IP cameras, IP phones, wireless access points) to ports 1-4. The switch will automatically detect and provide power to these devices.
- **Non-PoE Devices:** Connect computers, printers, or other non-PoE network devices to ports 5-8.
- Ensure the Link/Act/Speed LED for each connected port illuminates, indicating a successful connection.

TP-Link PoE Switch

Supply power and data to network devices over a single Ethernet cable

4× Gigabit PoE+ Ports
Up to 30 W on Each Port
Total 64 W Power Budget



TL-SG108PE



Surveillance
IP Camera



Conference Calls
IP Phone



Wi-Fi Coverage
Access Point

Image: A diagram showing the TL-SG108PE switch providing power and data to various PoE devices like IP cameras, IP phones, and Wi-Fi access points.

5. OPERATING THE SWITCH

The TL-SG108PE is an Easy Smart Switch, offering advanced management features beyond a basic unmanaged switch.

5.1 Management Interface

- **Web-based User Interface (Web UI):** Access the switch's configuration settings through a web browser. This allows for detailed control over network monitoring, VLANs, QoS, and other advanced features. Refer to the official TP-Link website for detailed instructions on accessing and configuring the Web UI.
- **Easy Smart Configuration Utility:** TP-Link provides a utility for simplified configuration and management, especially useful for initial setup or managing multiple Easy Smart Switches.

5.2 Key Features

- **Network Monitoring:** Gain insights into network traffic and device status.
- **Traffic Prioritization (QoS):** Prioritize specific traffic types (e.g., voice or video) to ensure smooth performance for critical applications.
- **VLAN Features:** Create Virtual Local Area Networks to segment your network for improved security and performance.
- **PoE Auto Recovery:** This feature automatically reboots unresponsive PoE-powered devices by cutting and restoring power to the port, ensuring continuous operation without manual intervention.

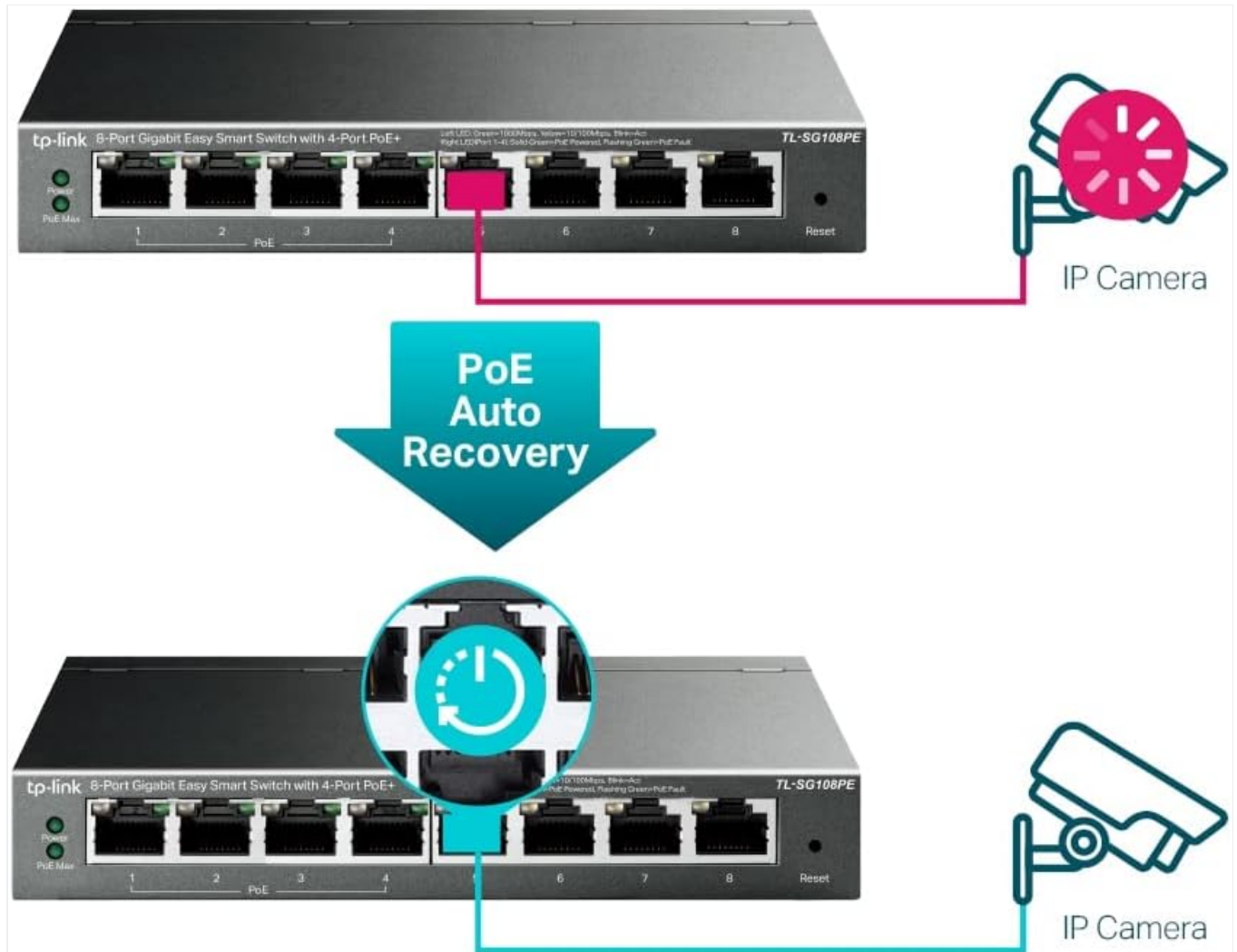


Image: An illustration demonstrating the PoE Auto Recovery function, where the switch detects an unresponsive IP camera and automatically cycles power to the port to restart it.

6. MAINTENANCE

- **Cleaning:** Keep the switch clean and free from dust. Use a soft, dry cloth. Do not use liquid or aerosol cleaners.
- **Ventilation:** Ensure the ventilation holes are not blocked to prevent overheating.
- **Firmware Updates:** Periodically check the TP-Link official website for firmware updates to ensure optimal performance and security.
- **Power Cycle:** If the switch experiences issues, try power cycling it by disconnecting and reconnecting the power adapter.

7. TROUBLESHOOTING

- **No Power:**

- Ensure the power adapter is securely connected to the switch and a working power outlet.
- Verify the power outlet is functional.

- **No Link/Activity LED:**

- Check the Ethernet cable connections at both ends.
- Ensure the connected device is powered on and functioning correctly.
- Try a different Ethernet cable or port.

- **PoE Device Not Powering On:**

- Ensure the device is connected to one of the PoE+ ports (1-4).
- Verify the device is PoE-compatible (IEEE 802.3af/at).
- Check the total PoE power budget (55W) is not exceeded. The PoE Max LED will indicate if the budget is near or over capacity.
- Try power cycling the switch or the specific PoE port (if configurable via Web UI).

- **Cannot Access Web Management Interface:**

- Ensure your computer is on the same network segment as the switch.
- Verify the switch's IP address and your computer's network settings.
- Try resetting the switch to factory defaults using the Reset button, then attempt to access with the default IP address.

8. SPECIFICATIONS

Feature	Description
Model	TL-SG108PE
Ports	8x 10/100/1000 Mbps RJ45 Ports (4 PoE+ Ports)
PoE Standard	IEEE 802.3af/at compliant
PoE Power Budget	55 Watts
Switching Capacity	16 Gbps
MAC Address Table	4K entries
Jumbo Frame	15 KB
Dimensions (L x W x H)	6.22 x 3.98 x 0.98 inches (158 x 101 x 25 mm)
Material	Metal Casing
Operating Temperature	0°C to 40°C (32°F to 104°F)
Certifications	CE, FCC

9. WARRANTY AND SUPPORT

TP-Link provides a lifetime warranty for the TL-SG108PE switch, ensuring long-term reliability and peace of mind. For technical support, firmware updates, and additional product information, please visit the official TP-Link website:

www.tp-link.com

You can also find FAQs and community forums on the TP-Link support pages for further assistance.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question