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› [TP-Link](#) /

› [TP-Link TL-SF1008P 8-Port 10/100Mbps PoE+ Switch User Manual](#)

TP-Link TL-SF1008P

TP-Link TL-SF1008P 8-Port 10/100Mbps PoE+ Switch User Manual

Model: TL-SF1008P

1. PRODUCT OVERVIEW

The TP-Link TL-SF1008P is an 8-Port 10/100Mbps Desktop Switch with 4 PoE+ Ports, designed to provide a seamless network connection. It integrates 100Mbps Fast Ethernet and 10Mbps Ethernet network capabilities. Four of the eight Auto-Negotiation RJ45 ports (Port 1 to Port 4) support Power over Ethernet (PoE+) functionality. These PoE+ ports can automatically detect and supply power to IEEE 802.3at/af compliant Powered Devices (PDs).

This switch allows for the transmission of electrical power along with data over a single cable, enabling network expansion in locations without readily available power lines or outlets. It is suitable for powering devices such as Access Points (APs), IP Cameras, or IP Phones.

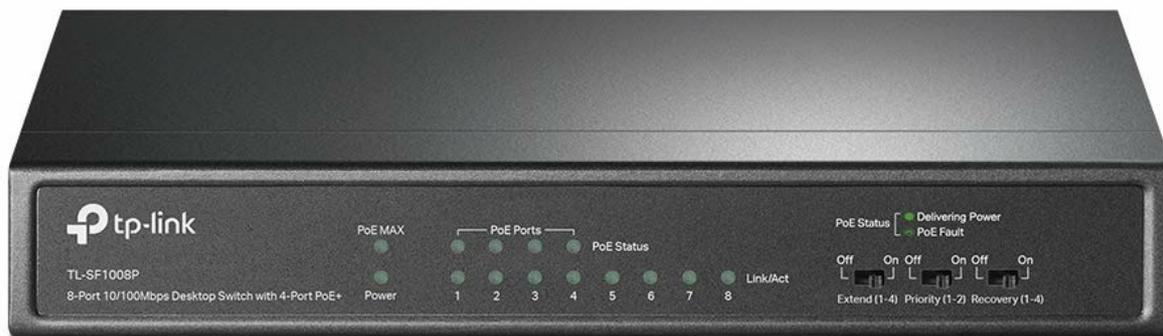


Figure 1: Front view of the TP-Link TL-SF1008P PoE+ Switch.

2. PACKAGE CONTENTS

Verify that your package contains the following items:

- TL-SF1008P Switch
- Power Adapter
- Power Cord
- Installation Guide
- Rubber Feet

3. SETUP AND INSTALLATION

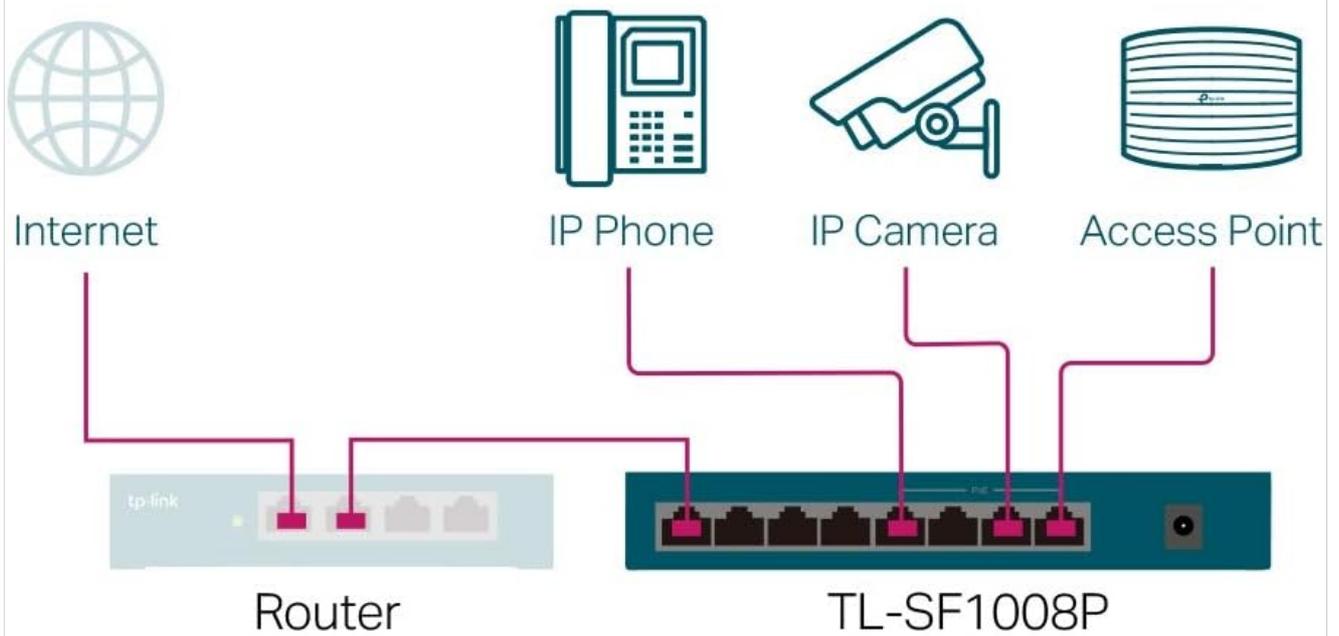
The TL-SF1008P is designed for easy installation and use, requiring no software configuration. It features a plug-and-play design.

3.1 Physical Installation

The switch can be placed on a desktop or mounted on a wall. Ensure adequate ventilation around the device.

Plug and Play

- 1 Plug In
- 2 Connect Devices



- 3 Enjoy

Figure 2: Simple Plug and Play setup involves plugging in the power and connecting devices.

3.2 Connecting Devices

Connect your network devices (e.g., router, NVR, computers, printers, IP cameras, IP phones, access points) to the RJ45 ports on the switch. Ports 1-4 are PoE+ enabled.

Total 66 W PoE Budget

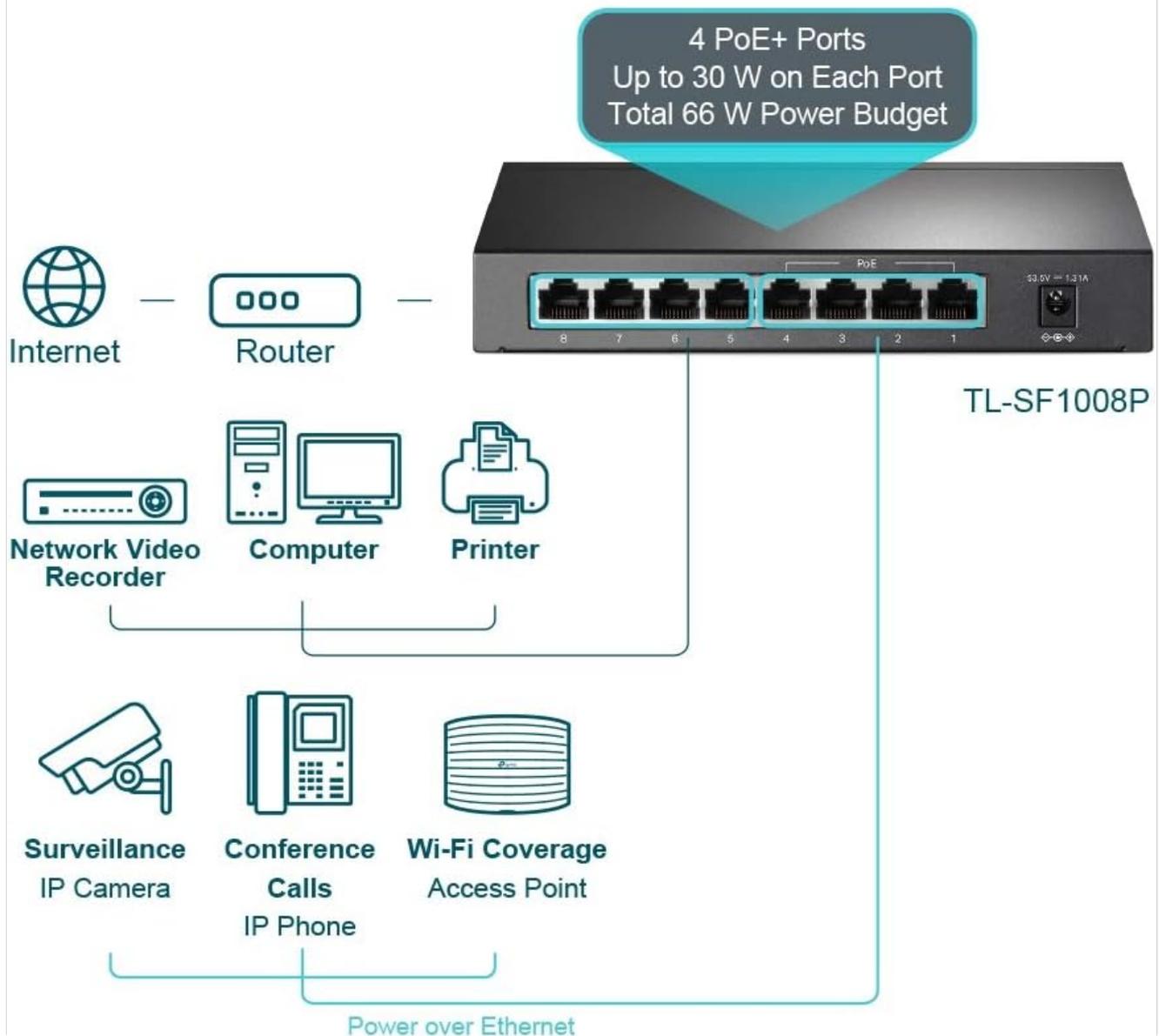


Figure 3: Example application scenario showing the TL-SF1008P connecting various devices, including PoE-powered ones.

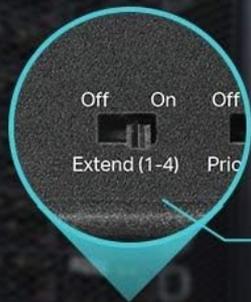
4. OPERATING MODES AND FEATURES

The TL-SF1008P offers several features to optimize network performance and reliability.

4.1 Extend Mode

Extend Mode allows for data and power PoE transmission over distances up to 250 meters, which is ideal for surveillance systems where devices may be located far from the switch. When Extend Mode is active, the port speed will be downgraded to 10 Mbps.

Extend Transmission up to 250 m



Extend Mode Button



TL-SF1008P (Extend Mode On)

Up to 250 m

Extended is 10 Mbps/port



IP Cameras



TL-SF1008P (Extend Mode Off)

100 m

Default is 100 Mbps/port



IP Cameras

Figure 4: Comparison of standard 100m transmission and 250m Extend Mode transmission for IP cameras.

4.2 Priority Mode

The switch incorporates a priority function to protect the system when the total PoE power consumption exceeds the budget. If the power consumption of all PoE PDs is greater than or equal to 53W, a priority will be assigned among the PoE ports (Port 1 > Port 2 > Port 3 > Port 4). The system will then cut off power to the lowest-priority port to protect the system. This mode ensures high-quality transmission for critical applications like video or voice data.

4.3 PoE Auto Recovery

PoE Auto Recovery automatically detects and reboots unresponsive PoE-powered devices. This feature eliminates the need for manual monitoring or resetting, enhancing system reliability.

System Self-Healing with PoE Auto Recovery

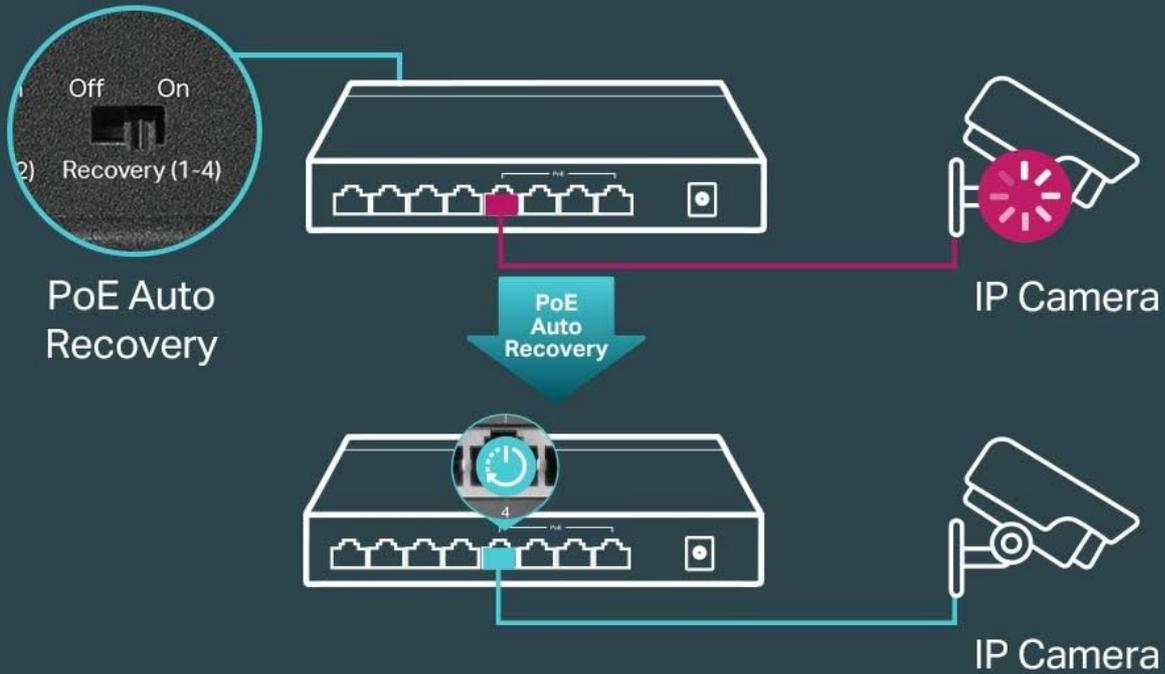


Figure 5: Diagram illustrating the PoE Auto Recovery function, which reboots unresponsive PoE devices.

5. SPECIFICATIONS

Feature	Description
Product Dimensions	11.6"L x 7.1"W x 1.7"H (294 x 180 x 44 mm)
Item Weight	1.15 Grams (0.041 ounces)
Voltage	48 Volts
Case Material	Metal
Maximum Power (Switch)	60.2 Watts
PoE Power Budget	66W (4 PoE+ Ports)
Max. Power per PoE+ Port	30W

Feature	Description
Upper Temperature Rating	40 Degrees Celsius
Interface Type	8 10/100Mbps RJ45 Ports (AUTO Negotiation/AUTO MDI/MDIX)
Data Transfer Rate	100 Megabits Per Second
Current Rating	1.25 Amps
Model Number	TL-SF1008P
Compatible Devices	Camera, Printer, IP Phone, Access Point
Flow Control	IEEE 802.3X
Fanless Design	Yes

6. MAINTENANCE

To ensure optimal performance and longevity of your TP-Link TL-SF1008P switch, consider the following maintenance guidelines:

- **Environmental Conditions:** Operate the switch within the specified temperature range (0°C to 40°C) and humidity levels. Avoid exposing the device to direct sunlight, excessive heat, or moisture.
- **Cleaning:** Periodically clean the exterior of the switch with a soft, dry cloth. Do not use liquid or aerosol cleaners. Ensure ventilation openings are free from dust and obstructions.
- **Cable Management:** Keep network cables organized and properly secured to prevent accidental disconnections or damage.
- **Power Supply:** Use only the provided power adapter. Ensure the power connection is secure and stable.

7. TROUBLESHOOTING

If you encounter issues with your TL-SF1008P switch, consider the following basic troubleshooting steps:

- **No Power:** Ensure the power adapter is securely connected to both the switch and a working power outlet. Check the power LED indicator on the switch.
- **No Link/Activity:** Verify that the Ethernet cables are correctly connected to both the switch and the connected device. Check the Link/Act LEDs for the respective ports. Try using a different Ethernet cable.
- **PoE Device Not Powering On:** Confirm that the connected device is IEEE 802.3at/af compliant. Check the PoE Max LED on the switch; if it's red, the system power might be overloaded, and Priority Mode may be active. Ensure the total power consumption of all PoE devices does not exceed the 66W budget.
- **Slow Connection in Extend Mode:** This is expected behavior. When Extend Mode is active, the port speed is intentionally reduced to 10 Mbps to achieve longer transmission distances.

For more detailed troubleshooting or persistent issues, please refer to the support section.

8. WARRANTY AND SUPPORT

The TP-Link TL-SF1008P is backed by an industry-leading 3-year warranty.

8.1 Technical Support

Free technical support is available from 6 AM to 6 PM PST, Monday to Friday.

For assistance, you can contact TP-Link support:

- **Phone:** (866) 225-8139
- **Website:** myproducts.tp-link.com/us
- **Email:** support.USA@tp-link.com



Figure 6: TP-Link contact information for support.