

TP-Link TL-SF1008D

TP-Link 8 Port 10/100Mbps Fast Ethernet Switch (TL-SF1008D) Instruction Manual

Model: TL-SF1008D | Brand: TP-Link

1. PRODUCT OVERVIEW

The TP-Link TL-SF1008D Fast Ethernet Switch is designed to expand your network connectivity for small office or home office (SOHO) environments. This unmanaged switch offers 8 10/100 Mbps auto-negotiation RJ45 ports, providing a simple and efficient solution for adding more wired connections to your router or modem. Its plug-and-play design requires no configuration, making setup straightforward. The device incorporates innovative energy-efficient technology to reduce power consumption and features a fanless design for quiet operation.

Key Features:

- **Plug-and-Play:** Easy setup with no configuration or software needed.
- **8 Fast Ethernet Ports:** 8 10/100 Mbps auto-negotiation RJ45 ports for expanding network capacity.
- **Energy-Efficient:** Innovative green technology saves power consumption by up to 70%.
- **Fanless Design:** Ensures quiet operation, ideal for any environment.
- **Auto-MDI/MDIX:** Eliminates the need for crossover cables.
- **Reliable Data Transfer:** IEEE 802.3x flow control provides dependable data transmission.
- **Compact Design:** Desktop or wall-mounting options for flexible placement.

2. PACKAGE CONTENTS

Verify that your package contains the following items:

- TP-Link 8-Port 10/100Mbps Desktop Switch (TL-SF1008D)
- Power Adapter
- User Guide

3. PHYSICAL DESCRIPTION

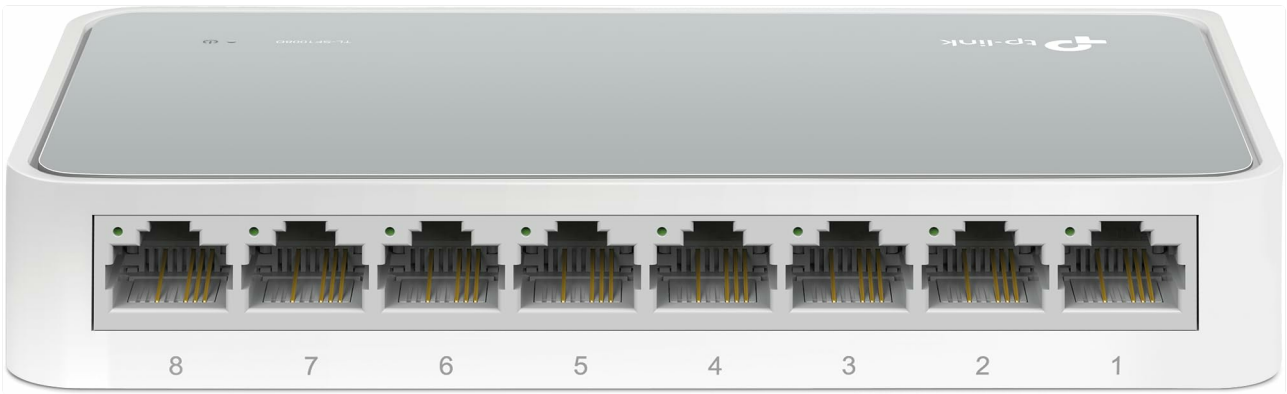


Figure 1: Top-down angled view of the TP-Link TL-SF1008D 8-Port Fast Ethernet Switch, showing the compact white casing and the eight RJ45 ports on the front.

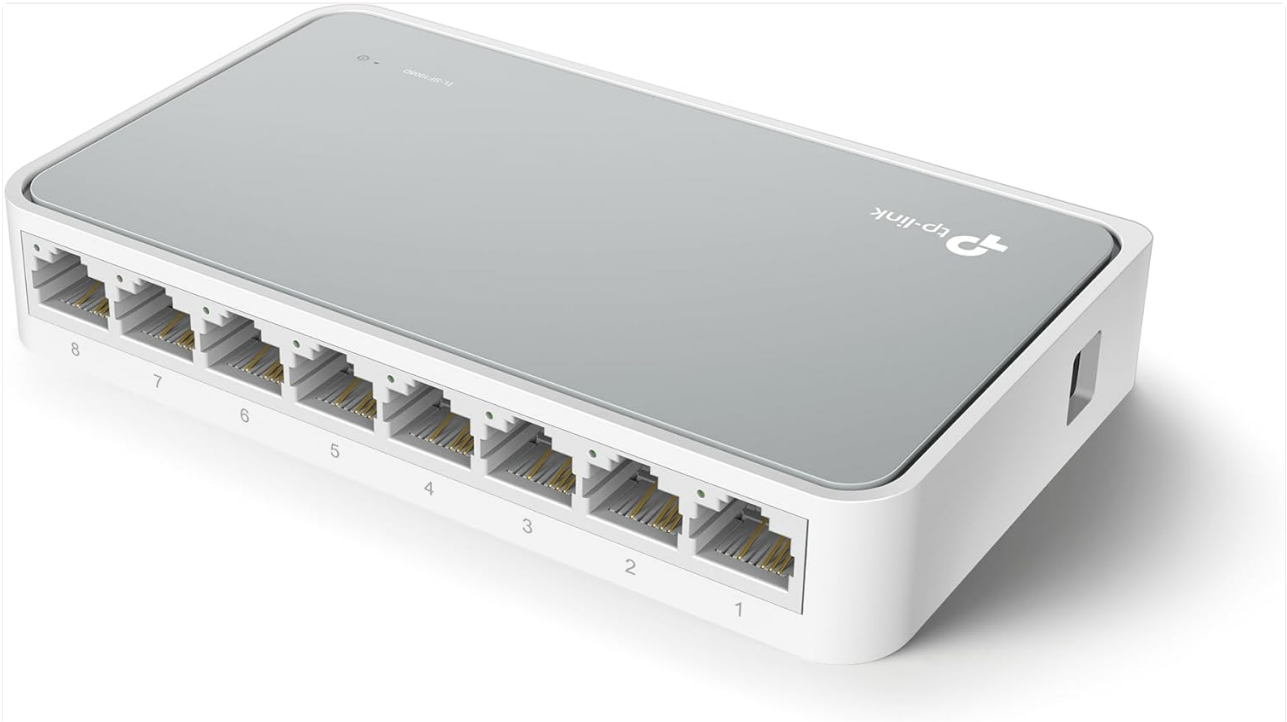


Figure 2: Front-angled view of the TP-Link TL-SF1008D 8-Port Fast Ethernet Switch, highlighting the eight RJ45 ports labeled 1 through 8, and the power LED indicator.



Figure 3: Top view of the TP-Link TL-SF1008D 8-Port Fast Ethernet Switch, showing the TP-Link logo, model number, and the

power and link/activity LED indicators.

LED Indicators:

- **Power LED:** Indicates the power status of the switch. On when powered, off when not.
- **Link/Act LEDs (1-8):** Indicates the link status and network activity for each port. Solid green indicates a valid network link, blinking indicates data transmission.

4. SETUP AND INSTALLATION

The TL-SF1008D switch is designed for simple plug-and-play installation. No software configuration is required.

1. **Connect the Power Adapter:** Plug the provided power adapter into the switch's power port and then into a standard electrical outlet. Ensure the Power LED on the switch illuminates.
2. **Connect to Your Network:** Connect an Ethernet cable from your router or modem to any of the 8 RJ45 ports on the switch. The corresponding Link/Act LED for that port should light up, indicating a successful connection.
3. **Connect Your Devices:** Connect your network devices (e.g., computers, gaming consoles, printers, smart TVs) to the remaining RJ45 ports on the switch using Ethernet cables. The Link/Act LEDs for these connected devices should also light up.

The switch automatically detects the speed and cable type (Auto-MDI/MDIX) for each connected device, eliminating the need for manual configuration or special crossover cables.

5. OPERATING INSTRUCTIONS

Once installed, the TL-SF1008D operates automatically. It functions as an unmanaged switch, meaning it requires no user intervention for basic network operation. Data packets are forwarded and filtered at full wire-speed for maximum throughput.

Auto-Negotiation:

Each port on the switch supports auto-negotiation, which automatically determines the optimal connection speed (10 Mbps or 100 Mbps) and duplex mode (half or full duplex) with the connected device. This ensures compatibility and optimal performance without manual settings.

Flow Control:

The switch supports IEEE 802.3x flow control. This mechanism helps prevent data loss during periods of high network traffic by temporarily pausing data transmission from a congested device, ensuring reliable data transfer across your network.

6. MAINTENANCE

To ensure optimal performance and longevity of your TP-Link TL-SF1008D switch, consider the following maintenance tips:

- **Placement:** Place the switch in a well-ventilated area to prevent overheating. Avoid placing it near heat sources or in enclosed spaces.
- **Cleaning:** Regularly clean the exterior of the switch with a soft, dry cloth. Do not use liquid or aerosol cleaners.
- **Cable Management:** Ensure Ethernet cables are neatly organized and not excessively bent or kinked to prevent damage and maintain signal integrity.
- **Power Supply:** Use only the power adapter provided with the device.

7. TROUBLESHOOTING

If you encounter issues with your TL-SF1008D switch, try the following basic troubleshooting steps:

- **No Power:** Check if the power adapter is securely connected to the switch and a working electrical outlet. Verify the Power LED is on.
- **No Link/Activity on a Port:**
 - Ensure the Ethernet cable is securely connected to both the switch port and the connected device.
 - Try using a different Ethernet cable to rule out a faulty cable.
 - Verify the connected device is powered on and functioning correctly.
 - Try connecting the device to a different port on the switch.
- **Slow Network Speed:**
 - Ensure all connected devices and cables support 100 Mbps speeds for optimal performance.
 - Check for excessive network traffic or bandwidth-intensive applications running on your network.

For further assistance, refer to the support information in Section 9.

8. SPECIFICATIONS

Product Dimensions	5.3"L x 5.3"W x 0.9"H
Item Weight	0.86 Pounds (13.8 ounces)
Voltage	110 Volts (AC)
Case Material	Aluminum or Alloy Steel or Metal
Upper Temperature Rating	40 Degrees Celsius
Interface Type	RJ45
Data Transfer Rate	100 Megabits Per Second
Current Rating	0.6 Amps
Number of Ports	8
Color	White
Compatible Devices	Desktop, Gaming console, Router, Printer, Laptop, Camera

9. WARRANTY AND SUPPORT

TP-Link provides unlimited 24/7 technical support for free. For any issues or questions regarding your TL-SF1008D switch, please contact TP-Link support.

Contact Information:

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

Legal Disclaimer:

Each item is provided AS IS, and there is no warranty on these items. If an item does not work, please contact the manufacturer directly, as we do not test every unit for reliability.