

## Manuals+

[Q & A](#) | [Deep Search](#) | [Upload](#)

[manuals.plus](#) /

› [TP-Link](#) /

› [TP-Link TL-SG116 16-Port Gigabit Ethernet Unmanaged Switch Instruction Manual](#)

## TP-Link TL-SG116

# TP-Link TL-SG116 16-Port Gigabit Ethernet Unmanaged Switch Instruction Manual

Model: TL-SG116

## 1. INTRODUCTION

The TP-Link TL-SG116 is a 16-port 10/100/1000Mbps unmanaged desktop switch designed to provide an easy and efficient way to expand your network. It facilitates a seamless transition to Gigabit Ethernet, enhancing the speed of network server and backbone connections. Featuring a plug-and-play design, this switch requires no configuration, making it user-friendly for both home and office environments. The TL-SG116 also incorporates energy-efficient technology to reduce power consumption.

## 2. PACKAGE CONTENTS

Verify that your package contains the following items:

- TP-Link TL-SG116 16-Port Gigabit Ethernet Unmanaged Switch
- Power Adapter
- Instruction Manual (this document)



Image: The retail packaging for the TP-Link TL-SG116 switch, showing the device and its key features.

### 3. PHYSICAL OVERVIEW

The TL-SG116 features a sturdy metal casing with 16 Gigabit Ethernet ports. It is designed for both desktop placement and wall-mounting.



Image: Front view of the TP-Link TL-SG116 switch, displaying 16 shielded Gigabit Ethernet ports and a power LED indicator.

#### LED Indicators:

- Power LED:** Indicates the power status of the switch.
- Link/Act LEDs (per port):** Indicates a network connection (Link) and data activity (Act) on the respective port.

### 4. INSTALLATION

#### 4.1 Desktop Placement

Place the switch on a flat, stable surface. Ensure adequate ventilation around the device to prevent overheating.

#### 4.2 Wall-Mounting

The TL-SG116 can be mounted on a wall using the integrated mounting slots on the underside of the device. Use appropriate screws (not included) for your wall type, ensuring they are securely fastened before mounting the switch.

## 5. CONNECTING THE SWITCH

The TL-SG116 is a plug-and-play device, requiring no software configuration. Follow these steps to connect your switch:

- Connect Power:** Plug the provided power adapter into the switch's power port and then into a standard electrical outlet. The Power LED on the switch should illuminate.
- Connect Network Devices:** Use Ethernet cables to connect your network devices (e.g., computers, printers, gaming consoles, routers, other switches, smart TVs) to any of the 16 Gigabit Ethernet ports on the switch.
- Verify Connection:** Once a device is connected, the corresponding Link/Act LED on the switch will light up, indicating an active connection. It will blink to show data activity.

## Need More Ports? No Problem.

Connect to a WiFi-emitting device and quickly add additional Ethernet ports to your mesh system, routers, smart TV and even switches.



Image: An illustration demonstrating how to connect various devices such as a router, computer, printer, camera, gaming console, another switch, and a smart TV to the 16 ports of the TL-SG116 switch.

## 6. OPERATION

The TL-SG116 operates as an unmanaged switch, meaning it automatically handles network traffic without requiring user

configuration. Key operational features include:

- **Auto-Negotiation:** Each port automatically detects the link speed of the connected network device (10/100/1000Mbps) and intelligently adjusts for compatibility and optimal performance.
- **Auto MDI/MDIX:** Eliminates the need for crossover cables, simplifying network setup.
- **IEEE 802.3X Flow Control:** Provides reliable data transfer by preventing packet loss during periods of high network traffic.
- **Port-based 802.1p/DSCP QoS:** Prioritizes traffic to ensure high quality for video or voice data transmission, reducing lag.
- **IGMP Snooping:** Optimizes multicast applications, such as IPTV, by efficiently managing multicast traffic.
- **Energy-Efficient Technology:** The switch incorporates innovative technology to reduce power consumption, contributing to energy savings.

## Advanced Functions for Higher Performance

IEEE 802.3x flow Control provides reliable data transfer. 802.1p and DSCP QoS enables a Lag-Free Experience. IGMP Snooping optimizes multicast applications.



### QoS

For Fluent Online Experience



### IGMP Snooping

Traffic Optimization for IPTV



Image: A visual representation of the switch's advanced functions, including QoS for fluent online experience and IGMP Snooping for traffic optimization in IPTV applications.

## 7. MAINTENANCE

The TL-SG116 is a fanless device, ensuring quiet operation and minimizing maintenance requirements. To ensure optimal performance and longevity:

- Keep the switch in a well-ventilated area, free from dust and direct sunlight.
- Periodically clean the exterior of the switch with a soft, dry cloth.
- Avoid blocking the ventilation holes.

## 8. TROUBLESHOOTING

If you encounter issues with your TL-SG116 switch, refer to the following common troubleshooting steps:

### 1. No Power LED:

- Ensure the power adapter is securely connected to the switch and a working electrical outlet.
- Verify the power outlet is functional by plugging in another device.

### 2. No Link/Act LED for a connected device:

- Check that the Ethernet cable is securely plugged into both the switch port and the network device.
- Ensure the connected device is powered on and its network adapter is enabled.
- Try a different Ethernet cable.
- Try connecting the device to a different port on the switch.
- Verify the network device itself is functioning correctly.

### 3. Slow Network Speed:

- Ensure all connected devices and cables support Gigabit Ethernet (Cat5e or higher cables are recommended for Gigabit speeds).
- Check for excessive network traffic or bandwidth-intensive applications running on your network.
- Verify that your internet service provider (ISP) is delivering the expected speeds to your router.

## 9. SPECIFICATIONS

<b>Model</b>	TL-SG116
<b>Number of Ports</b>	16 x 10/100/1000Mbps RJ45 Ports
<b>Data Transfer Rate</b>	1000 Mbps (Gigabit Ethernet)
<b>Interface Type</b>	Auto-Negotiation, Auto-MDI/MDIX
<b>Standards and Protocols</b>	IEEE 802.3i, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3x, IEEE 802.1p
<b>Power Consumption (On-mode)</b>	10 Watts
<b>Power Supply</b>	12V / 1A External Power Adapter
<b>Dimensions (W x D x H)</b>	11.3" x 4.4" x 1" (287 x 112 x 25 mm)
<b>Item Weight</b>	2.1 Pounds (0.95 kg)

<b>Case Material</b>	Metal
<b>Operating Temperature</b>	0°C to 40°C (32°F to 104°F)
<b>Operating Humidity</b>	10% to 90% non-condensing
<b>Fanless Design</b>	Yes

## 10. WARRANTY AND SUPPORT

TP-Link products are backed by an industry-leading 3-year warranty. For technical assistance or further inquiries, please contact TP-Link support.

### Contact Information:

- Phone Support:** (866) 225-8139
- Product Registration/Information:** [myproducts.tp-link.com/us](http://myproducts.tp-link.com/us)
- Email Support:** [support.USA@tp-link.com](mailto:support.USA@tp-link.com)

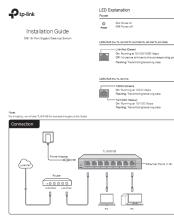
Technical support is available from 6 AM to 6 PM PST, Monday to Friday.

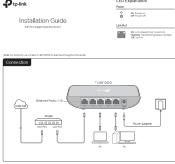
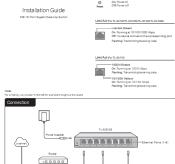
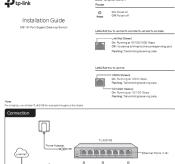
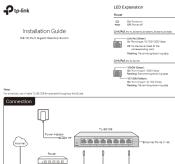
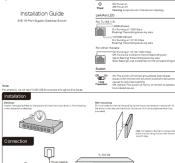


Image: A graphic displaying TP-Link's support phone number, product registration website, and email address.



### Related Documents - TL-SG116

	<p><a href="#"><u>TP-Link Gigabit Desktop Switch Installation Guide: TL-SG105, TL-SG108, TL-SG116</u></a></p> <p>Installation guide for TP-Link's 5/8/16-Port Gigabit Desktop Switches (TL-SG105, TL-SG108, TL-SG116). Covers LED explanations, connection setup, technical specifications, FAQs, safety information, and compliance.</p>
---	---

	<p><a href="#"><b>TP-Link 5/8-Port Gigabit Desktop Switch Installation Guide</b></a></p> <p>Comprehensive installation guide for TP-Link 5/8-Port Gigabit Desktop Switches, including models TL-SG1005D and TL-SG1008D. Covers connection setup, LED indicator explanations, frequently asked questions, detailed specifications, and safety information.</p>
	<p><a href="#"><b>TP-Link Gigabit Desktop Switch Installation Guide</b></a></p> <p>Installation guide for TP-Link 5/8/16-Port Gigabit Desktop Switches, covering LED explanations, specifications, connection details, and FAQs.</p>
	<p><a href="#"><b>TP-Link TL-SG108 Gigabit Desktop Switch Installation Guide</b></a></p> <p>Installation guide for the TP-Link TL-SG108 5/8/16-Port Gigabit Desktop Switch, covering LED explanations, connection diagrams, specifications, and frequently asked questions.</p>
	<p><a href="#"><b>TP-Link Gigabit Desktop Switch Installation Guide and Specifications</b></a></p> <p>Comprehensive installation guide, specifications, and FAQs for TP-Link's 5/8/16-Port Gigabit Desktop Switches (TL-SG105, TL-SG105S, TL-SG108, TL-SG108S, TL-SG116). Learn about connections, LED indicators, technical details, safety, and compliance.</p>
	<p><a href="#"><b>TP-Link 5/8/16-Port Gigabit Desktop Switch Installation Guide</b></a></p> <p>Installation guide for TP-Link 5/8/16-Port Gigabit Desktop Switches, detailing panel explanations, connection setup, specifications, troubleshooting, and safety information.</p>