

Tenda SG105

Tenda SG105 5-Port Gigabit Ethernet Switch User Manual

Model: SG105

1. PRODUCT OVERVIEW

The Tenda SG105 is an unmanaged 5-port Gigabit Ethernet switch designed to expand your network connectivity. It provides five 10/100/1000Mbps auto-negotiating RJ45 ports, supporting wire-speed forwarding for high-speed data transfer. Its compact, fanless design ensures quiet operation, making it suitable for home and small office environments. The device supports both desktop placement and wall-mounting for flexible installation.

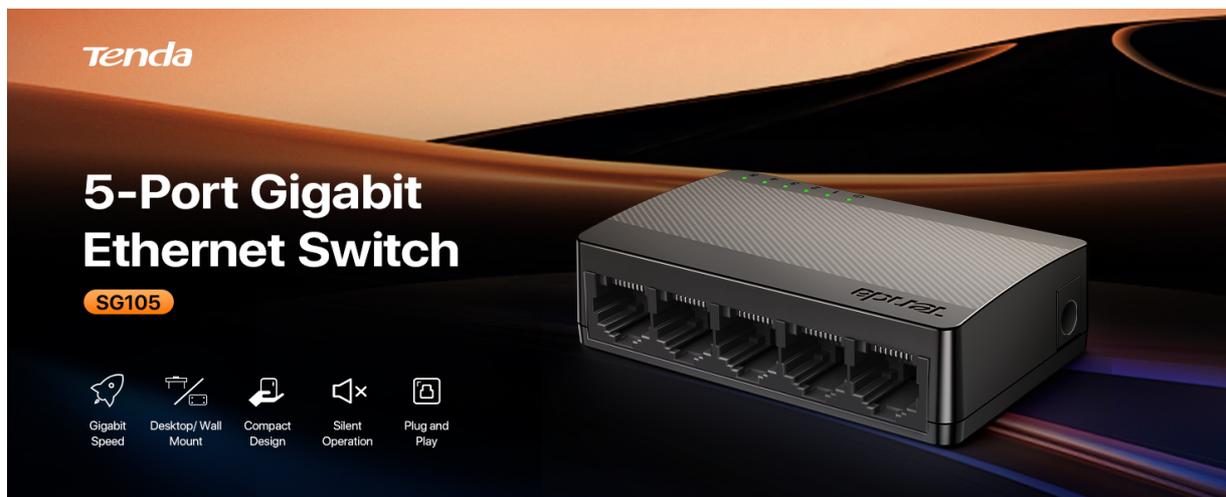


Image: Tenda SG105 overview highlighting its features.

2. FEATURES

- **5 Gigabit Ports:** Provides 5 10/100/1000Mbps auto-negotiating MDIX RJ45 Ethernet ports for high-speed connections.
- **Plug & Play:** Requires no configuration; simply connect your devices.
- **Compact Design:** Mini size for minimal space occupation, suitable for various environments.

- **Fanless Operation:** Ensures silent performance, ideal for quiet settings.
- **Flexible Placement:** Supports both desktop and wall-mounting options.
- **Intelligent Recognition:** Automatically identifies parallel and intersecting lines.
- **Energy Efficient:** Ultra-low power consumption (only 1.7W).

3. PACKAGE CONTENTS

Verify that your package contains the following items:

- Tenda SG105 5-Port Gigabit Ethernet Switch
- Power Adapter
- User Manual (this document)



Image: Contents of the Tenda SG105 package.

4. SETUP INSTRUCTIONS

4.1 Connecting the Switch

1. **Connect the Power Adapter:** Plug the power adapter into the DC IN port of the SG105 switch and

then into a power outlet. The power indicator LED on the switch will light up.

2. **Connect to Your Network:** Use an Ethernet cable to connect one of the SG105's RJ45 ports to your router, modem, or existing network.
3. **Connect Your Devices:** Connect your wired devices (e.g., computer, gaming console, printer, Smart TV, IP camera) to the remaining RJ45 ports on the SG105 switch using Ethernet cables.



Image: Connection diagram for the Tenda SG105 switch, illustrating how to connect it to a router and various devices.

4.2 Wall Mounting (Optional)

The Tenda SG105 switch features two mounting holes on its underside, allowing for wall-mounting to save desk space.

1. **Mark Mounting Positions:** Hold the switch against the wall at the desired location and mark the positions for the two mounting holes.
2. **Install Screws:** Insert two screws (not included) into the marked positions, leaving a small gap between the screw head and the wall.
3. **Mount the Switch:** Align the mounting holes on the switch with the screws and slide the switch down to secure it.

Mini Size Design

SG105 V4.0 is nice and small, adding more connectivity while saving space



Image: Underside of the Tenda SG105 switch with wall-mounting slots.

4.3 Video Guide

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Video: Official Tenda instruction video demonstrating the setup and features of the SG105 5-Port Gigabit Ethernet Switch.

5. OPERATING THE SWITCH

The Tenda SG105 is an unmanaged switch, meaning it operates automatically without requiring any software configuration. Once connected, it functions as a network extender, providing additional wired ports for your devices.

5.1 LED Indicators

The front panel of the switch features LED indicators for each port and for power. These LEDs provide visual feedback on the switch's status:

- **Power LED:** Indicates if the switch is powered on.
- **Port LEDs (1-5):** Each port has an LED that indicates link status and activity. A solid light typically means a stable connection, while a blinking light indicates data transmission.



Image: Front view of the Tenda SG105 switch with LED indicators.

5.2 Silent Operation

The fanless design of the SG105 ensures completely silent operation, making it suitable for placement in living rooms, bedrooms, or quiet office spaces without causing any noise disturbance.

5 Gigabit Ports

Ensure high speed data transfer and improve transmission efficiency



Image: Tenda SG105 operating silently in an office environment.

6. MAINTENANCE

To ensure optimal performance and longevity of your Tenda SG105 switch, consider the following maintenance tips:

- Keep the device in a well-ventilated area to prevent overheating.
- Avoid exposing the switch to direct sunlight, high temperatures, or excessive humidity.
- Clean the exterior of the device with a soft, dry cloth. Do not use liquid or aerosol cleaners.
- Ensure all cable connections are secure and free from damage.
- Periodically check for firmware updates on the official Tenda website, although unmanaged switches rarely require updates.

7. TROUBLESHOOTING

If you encounter issues with your Tenda SG105 switch, refer to the following common problems and solutions:

- **No Power:**

- Ensure the power adapter is securely connected to the switch and a working power outlet.
- Verify that the power outlet is functional by plugging in another device.
- **No Link/Activity LED:**
 - Check that the Ethernet cable is securely plugged into both the switch port and the connected device.
 - Try a different Ethernet cable to rule out cable damage.
 - Ensure the connected device is powered on and functioning correctly.
- **Slow Network Speed:**
 - Confirm that all connected devices and cables support Gigabit Ethernet (Cat5e or higher cables are recommended for Gigabit speeds).
 - Check for network congestion or issues with your router/modem.
 - Ensure the switch is placed away from sources of electromagnetic interference.
- **Intermittent Connection:**
 - Check all cable connections for looseness or damage.
 - Restart the switch by unplugging and replugging the power adapter.
 - Ensure the switch is not overheating; move it to a cooler, well-ventilated location if necessary.

8. SPECIFICATIONS

Feature	Description
Model	SG105
Number of Ports	5
Interface Type	RJ45
Data Transfer Rate	10/100/1000Mbps (Gigabit)
Switching Capacity	10 Gbps
Power Consumption	3 Watts (Maximum), 1.7 Watts (Ultra-Low Power)
Power Input	5V/600mA DC
Dimensions (L x W x H)	3.34" x 2.04" x 0.86" (84.8mm x 52mm x 22mm)
Item Weight	1.9 Ounces (approx. 54g)
Case Material	Plastic
Operating Temperature	0°C to 45°C (32°F to 113°F)
Storage Temperature	-40°C to 70°C (-40°F to 158°F)
Operating Humidity	10% to 90% non-condensing
Storage Humidity	5% to 90% non-condensing

9. WARRANTY INFORMATION

Tenda products typically come with a manufacturer's warranty. Please refer to the warranty card included in your product packaging or visit the official Tenda website for detailed warranty terms and conditions

specific to your region. Keep your purchase receipt for warranty claims.

10. CUSTOMER SUPPORT

For technical support, product inquiries, or warranty service, please contact Tenda customer support through the following channels:

- **Website:** www.tendacn.com/us
- **Email:** support.us@tenda.cn
- **Toll-Free Support:** +1 (800) 570-5892 (Mon-Sun: 9AM-6PM PST)

Please have your product model (SG105) and serial number ready when contacting support.