

TRENDnet TEG-S25D

TRENDnet TEG-S25D 24-Port Gigabit Desktop Switch User Manual

Model: TEG-S25D | Brand: TRENDnet

1. INTRODUCTION

The TRENDnet TEG-S25D is a 24-Port Gigabit Desktop Switch designed to provide high bandwidth performance, ease of use, and reliability for your network. This unmanaged switch is ideal for boosting office network efficiency and eliminating network congestion with its gigabit speeds and a total switching capacity of 48Gbps in full-duplex mode.

Key features include:

- **24 Gigabit RJ-45 Ports:** Provides high-speed wired connections for multiple devices.
- **48Gbps Switching Capacity:** Ensures smooth data flow and reduces bottlenecks.
- **Fanless Design:** Offers silent operation, suitable for quiet environments.
- **Sturdy Metal Enclosure:** Durable construction for long-term reliability.
- **Internal Power Supply:** Reduces cable clutter and simplifies installation.
- **Diagnostic LEDs:** Aids in quick network troubleshooting.



Image 1.1: Front view of the TRENDnet TEG-S25D 24-Port Gigabit Desktop Switch, showcasing its 24 RJ-45 ports and LED indicators.

2. PACKAGE CONTENTS

Please verify that your package contains the following items:

- TRENDnet TEG-S25D 24-Port Gigabit Desktop Switch
- Quick Installation Guide
- Rack Mount Kit
- Power Cord (1.5m / 4.9 ft.)

3. SETUP

The TRENDnet TEG-S25D switch is designed for plug-and-play installation, requiring no software for setup. Follow these steps to integrate the switch into your network:

1. **Placement:** Place the switch on a stable, flat surface or mount it in a 1U rack using the included rackmount brackets. Ensure adequate ventilation around the device.
2. **Connect Power:** Connect the included power cord to the AC LINE port on the rear of the switch and then to a standard electrical outlet.

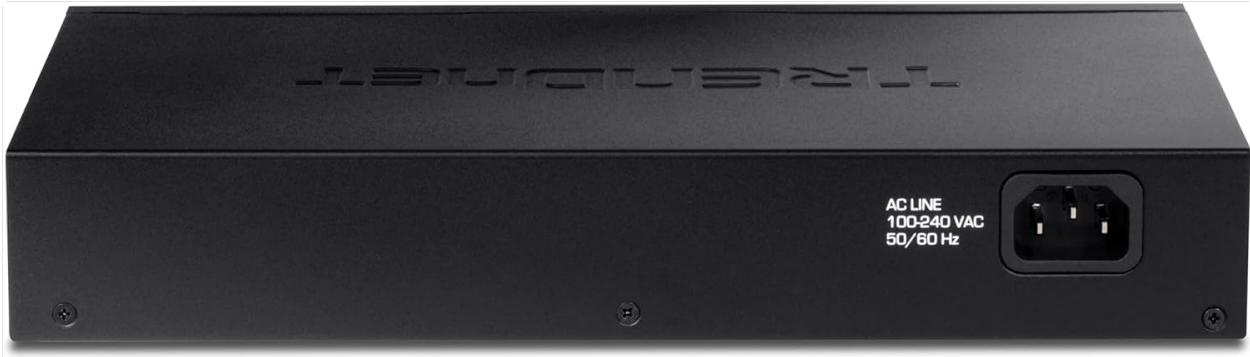
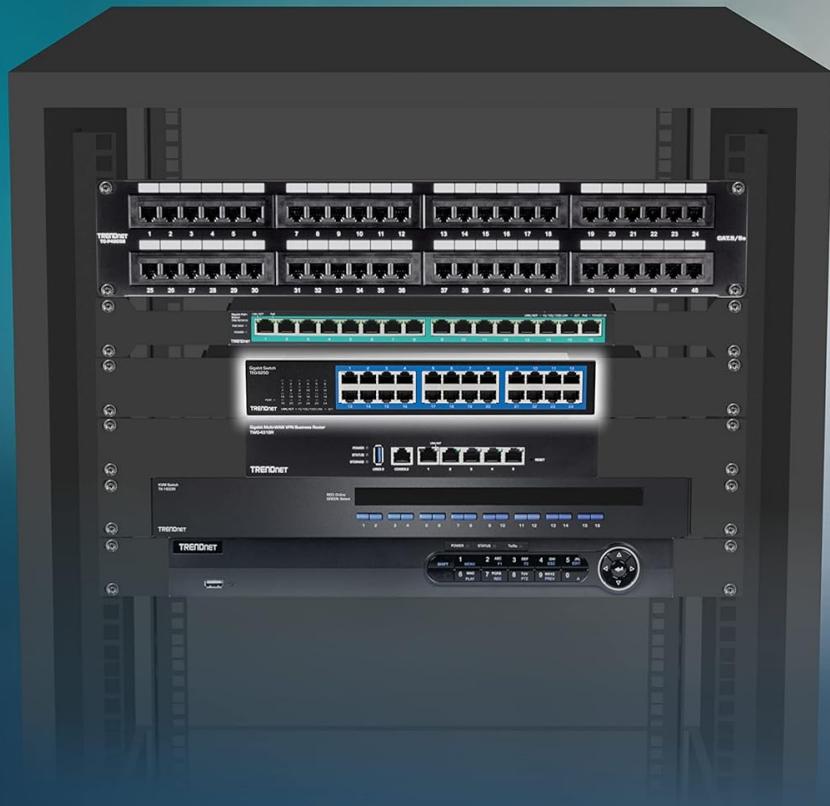


Image 3.1: Rear view of the TRENDnet TEG-S25D switch, highlighting the internal power supply connection point.

3. **Connect Network Devices:** Connect your network devices (computers, servers, network-attached storage, etc.) to any of the 24 Gigabit RJ-45 ports on the front panel using standard Ethernet cables. The switch automatically detects the speed and duplex mode of the connected devices.



Sturdy Rackmount Housing



Well-suited for desktop or rackmount installations.
1U 19" rackmount brackets included.

Image 3.2: The TRENDnet TEG-S25D switch shown with rackmount brackets, illustrating its suitability for rack installations.

3.1. Energy Efficiency (GREENnet Technology)

TRENDnet's GREENnet technology is an embedded energy-saving feature that reduces power consumption without affecting performance. This technology helps lower electricity bills and contributes to environmental conservation.

Video 3.1: An informational video from TRENDnet (Merchant Video) explaining the energy savings of GREENnet technology in their Gigabit switches. While the video may feature a different model, the principles of GREENnet apply to the TEG-S25D.

4. OPERATING THE SWITCH

Once powered on and connected, the TRENDnet TEG-S25D switch operates automatically. It is an unmanaged switch, meaning it requires no configuration. Data transfer begins immediately upon connecting

devices.

4.1. LED Indicators

The front panel of the switch features LED indicators that provide real-time status information for each port and the device itself. These LEDs are crucial for monitoring network activity and troubleshooting.

- **PWR (Power) LED:** Indicates the power status of the switch.
- **LINK/ACT (Link/Activity) LEDs:** For each port, a solid light indicates a successful network link, and a blinking light indicates data activity.
- **10/100/1000 (Speed) LEDs:** For each port, indicates the connection speed (e.g., green for Gigabit, amber for Fast Ethernet).



Image 4.1: Detailed view of the front panel, showing the LED indicators for power, link/activity, and speed for each of the 24 Gigabit RJ-45 ports.

Video 4.2: A product overview video from TRENDnet (Seller). This video showcases a 16-port switch (TEG-S17D), but provides a general visual guide to TRENDnet's desktop switch features and design, which are similar to the 24-port TEG-S25D.

5. SPECIFICATIONS

Feature	Description
Model	TEG-S25D
Ports	24 x Gigabit RJ-45
Switching Capacity	48Gbps
Forwarding Rate	35.71Mpps (64-byte packet size)
Data Transfer Rate	Ethernet: 10/20 Mbps (half/full duplex) Fast Ethernet: 100/200 Mbps (half/full duplex) Gigabit: 2000 Mbps (full duplex)
Case Material	Metal
Dimensions (L x W x H)	10.51 x 6.38 x 1.65 inches
Item Weight	2.93 pounds

Feature	Description
Power Supply	Internal, 100-240 VAC, 50/60 Hz
Design	Fanless, Desktop/Rackmount

6. MAINTENANCE

To ensure optimal performance and longevity of your TRENDnet TEG-S25D switch, consider the following maintenance tips:

- **Ventilation:** Ensure the switch is placed in a well-ventilated area. Do not block the ventilation holes on the sides of the device.
- **Cleaning:** Regularly clean the exterior of the switch with a soft, dry cloth. Avoid using liquid or aerosol cleaners.
- **Cable Management:** Keep network cables organized to prevent accidental disconnections and improve airflow.
- **Power Protection:** Connect the switch to a surge protector or an Uninterruptible Power Supply (UPS) to protect against power fluctuations.

7. TROUBLESHOOTING

If you encounter issues with your TRENDnet TEG-S25D switch, try the following basic troubleshooting steps:

- **No Power:** Check if the power cord is securely connected to both the switch and the electrical outlet. Verify the power outlet is functional.
- **No Link Light:** Ensure the Ethernet cable is securely connected to both the switch port and the network device. Try a different cable or port. Verify the connected device is powered on and functioning correctly.
- **Slow Connection:** Check the speed LED for the connected port to confirm it's operating at the expected speed (e.g., 1000Mbps for Gigabit). Ensure your Ethernet cables are rated for Gigabit speeds (Cat5e or higher).
- **Network Congestion:** If multiple devices are experiencing slow speeds, ensure your internet service provider (ISP) connection is adequate for your usage. Consider upgrading network infrastructure if consistently experiencing high traffic.

8. WARRANTY AND SUPPORT

This TRENDnet TEG-S25D switch is a renewed item and comes with a **90-day TRENDnet Renewed Guarantee**. This guarantee covers inspection and approval by TRENDnet for a period of 90 days from the date of purchase.

For new TRENDnet Switches, lifetime protection is typically offered. Please refer to the official TRENDnet website or contact their customer support for detailed warranty terms and conditions for renewed products. For technical support, product registration, and additional resources, please visit the official TRENDnet website or consult the Quick Installation Guide included in your package.

