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› NETGEAR 8-Port Gigabit Ethernet Unmanaged Switch (GS108) - User Manual

NETGEAR GS108-400NAS

NETGEAR 8-Port Gigabit Ethernet Unmanaged Switch (GS108) - User Manual

Model: GS108-400NAS

1. INTRODUCTION

This manual provides essential information for setting up, operating, and maintaining your NETGEAR 8-Port Gigabit Ethernet Unmanaged Switch (GS108). This device is designed to expand your network connectivity with ease, offering reliable and high-speed performance for your home or small office network.

The GS108 is an unmanaged switch, meaning it requires no software installation or configuration, providing a simple plug-and-play solution for immediate network expansion.

2. PACKAGE CONTENTS

Ensure all items are present in your package:

- NETGEAR 8-Port Gigabit Ethernet Unmanaged Switch (GS108)
- Power Adapter
- Installation Guide
- Wall-mount kit (screws and anchors)

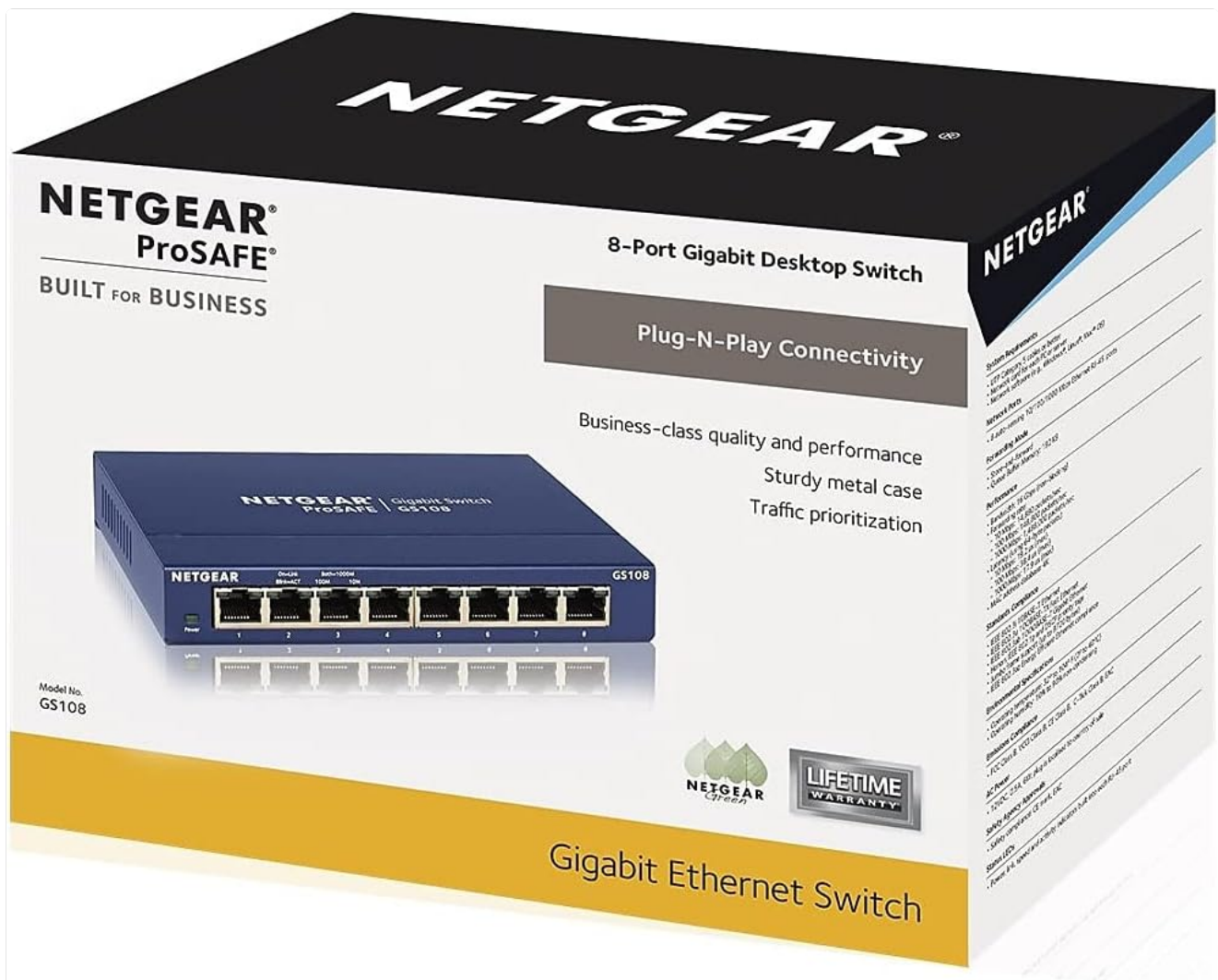


Figure 2.1: Retail packaging of the NETGEAR GS108 switch, showing the product and key features.

3. SETUP

3.1 Physical Placement

The GS108 switch is designed for both desktop and wall-mount placement. Choose a location that is dry, well-ventilated, and away from direct sunlight or heat sources.

- **Desktop Placement:** Place the switch on a flat, stable surface. The rubber feet on the bottom of the switch provide stability and protect surfaces.
- **Wall Mount Placement:** The switch includes two keyhole slots on the bottom for wall mounting. Use the provided screws and anchors to securely mount the switch to a wall. Ensure the Ethernet ports face the desired direction (up or down) for cable management.

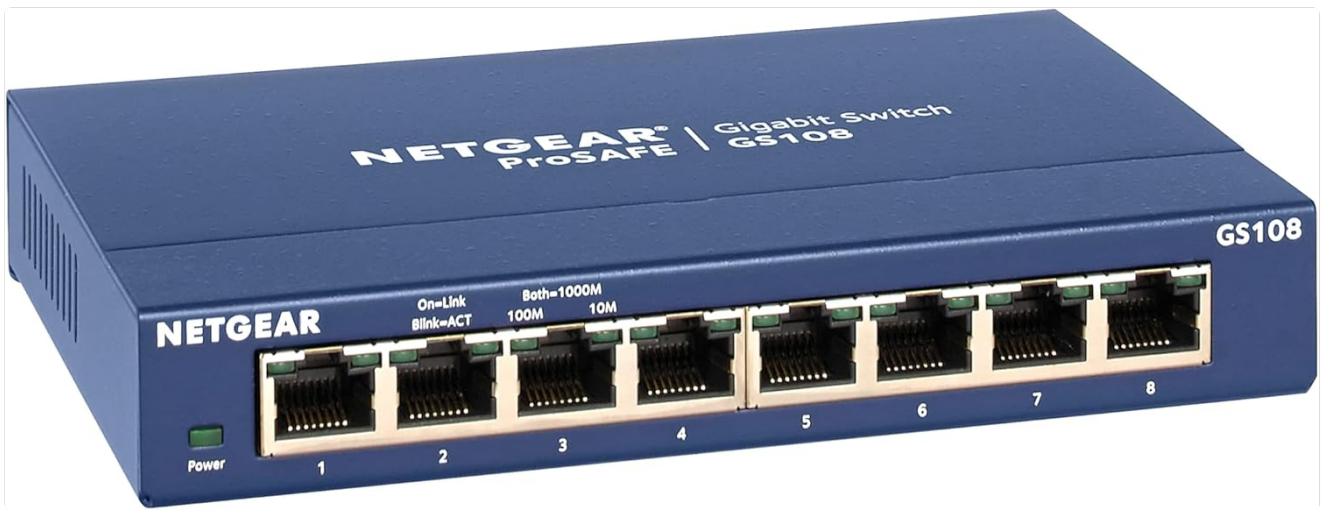


Figure 3.1: Front view of the NETGEAR GS108 switch, showing the eight Gigabit Ethernet ports and LED indicators.

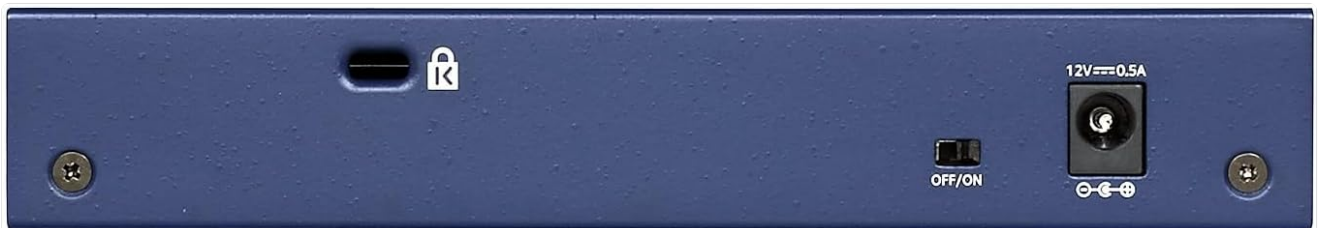


Figure 3.2: Rear view of the NETGEAR GS108 switch, showing the power input, on/off switch, and Kensington lock slot.

3.2 Power Connection

1. Connect the power adapter to the 12V DC input port on the rear of the switch.
2. Plug the power adapter into a standard electrical outlet.
3. Ensure the power switch on the rear of the unit is in the 'On' position. The Power LED on the front of the switch will illuminate green, indicating the device is powered on.

3.3 Ethernet Connections

Connect your network devices (e.g., computers, printers, network-attached storage, gaming consoles, routers) to any of the 8 Gigabit Ethernet ports using standard Ethernet cables (Cat5e or higher recommended for optimal performance).

1. Insert one end of an Ethernet cable into an available port on your router or modem.
2. Insert the other end of the Ethernet cable into any of the 8 ports on the GS108 switch.
3. Connect your other network devices to the remaining ports on the GS108 switch.

The switch automatically detects the speed and duplex mode of the connected device, eliminating the need for manual configuration.

4. OPERATING THE SWITCH

The NETGEAR GS108 is an unmanaged switch, designed for simplicity and ease of use. Once powered on and connected, it operates automatically without any user intervention.

4.1 LED Indicators

Each Ethernet port on the front of the switch has two LED indicators that provide status information:

LED Indicator	Status	Description
Power LED (Front Left)	Solid Green	The switch is powered on.
Link/Activity LED (Per Port)	Solid Green	A device is connected and a valid link is established at 1000 Mbps (Gigabit).
	Solid Amber	A device is connected and a valid link is established at 10/100 Mbps.
	Blinking Green/Amber	Data activity is occurring on the port.
	Off	No device is connected or the link is not established.

The GS108 operates quietly due to its fanless design, making it suitable for various environments, including homes and small offices. Its energy-efficient design complies with IEEE802.3az standards, reducing power consumption during periods of low network activity.

5. MAINTENANCE

The NETGEAR GS108 is built with a sturdy metal case for durability and requires minimal maintenance. To ensure optimal performance and longevity:

- Keep the device clean and free from dust. Use a soft, dry cloth for cleaning.
- Ensure proper ventilation around the switch to prevent overheating.
- Avoid placing heavy objects on top of the switch.
- Periodically check cable connections to ensure they are secure.

6. TROUBLESHOOTING

If you encounter issues with your NETGEAR GS108 switch, try the following basic troubleshooting steps:

- **No Power:** Check if the power adapter is securely connected to the switch and the electrical outlet. Ensure the power switch on the rear is in the 'On' position.
- **No Link Light:** Verify that the Ethernet cables are securely connected to both the switch and the connected device. Try a different Ethernet cable or port. Ensure the connected device is powered on and functioning correctly.
- **Slow Network Speed:** Ensure you are using Cat5e or higher Ethernet cables for Gigabit speeds. Check the Link/Activity LED for the port; a solid green light indicates a Gigabit connection, while amber indicates 10/100 Mbps. Ensure your connected devices and router/modem support Gigabit Ethernet.

- **Intermittent Connectivity:** Check for loose cable connections. Ensure the switch is placed in a well-ventilated area to prevent overheating.

For more advanced troubleshooting or persistent issues, refer to the official NETGEAR support resources.

7. SPECIFICATIONS

Feature	Description
Model	GS108-400NAS
Switch Type	Unmanaged, Desktop/Wall Mount
Number of Ports	8 Gigabit Ethernet (RJ45)
Data Transfer Rate	1 Gbps (Gigabit Per Second)
Case Material	Metal
Power Input	12 Volts
Maximum Power Consumption	2.8 Watts
Item Weight	0.47 Kilograms (1.03 pounds)
Product Dimensions	8.54 x 6.5 x 4.29 inches
Operating Temperature	Up to 122 Degrees Fahrenheit
Energy Efficiency	IEEE802.3az compliant

8. WARRANTY AND SUPPORT

The NETGEAR 8-Port Gigabit Ethernet Unmanaged Switch (GS108) comes with a **Limited Lifetime Hardware Warranty**, ensuring long-term reliability and peace of mind. This warranty includes Next Business Day Replacement for eligible hardware failures.

For any questions, technical assistance, or warranty claims, NETGEAR offers **24/7 chat support** with a NETGEAR expert. You can also find additional resources, FAQs, and updated documentation on the official NETGEAR support website.

For more information, visit the NETGEAR Store on Amazon or consult the comprehensive user guide available as a PDF document.

