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> NETGEAR GS308 8-Port Gigabit Ethernet Unmanaged Switch User Manual

NETGEAR GS308

NETGEAR GS308 8-Port Gigabit Ethernet Unmanaged Switch User Manual

Model: GS308 | Brand: NETGEAR

1. INTRODUCTION

The NETGEAR GS308 8-Port Gigabit Ethernet Unmanaged Switch provides a straightforward, reliable, and cost-effective solution for expanding network connections in home and small office environments. This device is designed for plug-and-play operation, requiring no software installation or complex configuration. Its robust metal casing ensures durability, while features such as Auto-MDI/MDIX, LED indicators on each port, energy-efficient technology, a fanless design for silent operation, auto-negotiation, and non-blocking switching architecture contribute to its efficient performance.



Figure 1: Front view of the NETGEAR GS308 switch, showing the eight Gigabit Ethernet ports and status LEDs.

2. PACKAGE CONTENTS

Verify that your package contains the following items:

- NETGEAR GS308v3 8-Port Gigabit Ethernet Unmanaged Switch
- Power adapter
- Quick installation guide

3. PRODUCT OVERVIEW

3.1 Key Features

- 8 Gigabit Ethernet ports for high-speed wired connections.
- Simple plug-and-play setup with no software or configuration required.
- Supports both desktop placement and wall mounting for flexible installation.
- Energy-efficient design compliant with IEEE802.3az for reduced power consumption.
- Fanless design ensures silent operation, suitable for noise-sensitive environments.
- Durable metal case for enhanced product longevity.

3.2 Physical Description

The GS308 switch features a compact and sturdy metal enclosure. The front panel includes all eight RJ45 Gigabit Ethernet ports, each accompanied by an LED indicator to show link status and activity. A power LED is also present on the front. The rear panel typically houses the power input connector and an On/Off switch.

GS308 Key Features



Back View

- 8 x 1G Ethernet ports
- Desktop or wall mountable
- Plug-and-play
- Energy efficient for power savings
- 3 year limited warranty

Figure 2: Detailed view of the NETGEAR GS308 switch, illustrating both front and back panels, along with a summary of its key features.

4. SETUP

Setting up your NETGEAR GS308 switch is a simple plug-and-play process. Follow these steps to integrate it into your network:

1. **Placement:** Position the switch on a flat surface or mount it to a wall using appropriate hardware (not included). Ensure adequate ventilation around the device.
2. **Connect Network Devices:** Connect your network devices (e.g., computers, game consoles, network printers, smart TVs) to any of the eight Ethernet ports on the switch using standard Ethernet cables.
3. **Connect to Router/Modem:** Connect one of the switch's Ethernet ports to your router or modem using an Ethernet cable. This port will serve as the uplink to your existing network.
4. **Connect Power:** Plug the provided power adapter into the switch's power input and then into a power outlet. The power LED on the front of the switch should illuminate.

The switch will automatically detect and configure connected devices. No further software installation or configuration is typically required.

NETGEAR GS308

On=Link
Blink=ACT

1 2 3 4 5 6 7 8

Internet

Router Game Console Computer TV Printer

5. OPERATING INSTRUCTIONS

The NETGEAR GS308 is an unmanaged switch, meaning it operates automatically without requiring user intervention for configuration. Once powered on and connected to your network, it will begin forwarding data between connected devices.

5.1 LED Indicators

The LEDs on the front panel provide visual status information:

- **Power LED:** Illuminates green when the switch is powered on.
- **Port LEDs (Link/Activity):** Each Ethernet port has an associated LED.
 - **Solid Green:** Indicates a valid network link at Gigabit (1000 Mbps) speed.
 - **Solid Amber:** Indicates a valid network link at Fast Ethernet (10/100 Mbps) speed.
 - **Blinking:** Indicates network activity (data transmission) on that port.
 - **Off:** No link detected or device is not powered on/connected correctly.

6. MAINTENANCE

The NETGEAR GS308 switch is designed for reliable, maintenance-free operation. To ensure optimal performance and longevity, consider the following:

- **Cleaning:** Periodically wipe the exterior of the switch with a soft, dry cloth. Avoid using liquid or aerosol cleaners directly on the device.
- **Ventilation:** Ensure that the switch's ventilation openings are not blocked to prevent overheating.
- **Environment:** Operate the switch within its specified environmental conditions (temperature, humidity) as outlined in the specifications. Keep it away from direct sunlight, heat sources, and excessive moisture.
- **Cable Management:** Organize network cables to prevent strain on the ports and to maintain a tidy setup.

7. TROUBLESHOOTING

If you encounter issues with your NETGEAR GS308 switch, refer to the following common troubleshooting steps:

No Power:

Ensure the power adapter is securely connected to the switch and a working power outlet. Check if the power LED on the front of the switch is illuminated.

No Link/Activity on a Port:

Verify that the Ethernet cable is securely plugged into both the switch port and the connected device. Try a different Ethernet cable. Ensure the connected device is powered on and its network adapter is functioning correctly. Test with a different port on the switch.

Slow Network Speeds:

Confirm that all connected devices and cables support Gigabit Ethernet (Cat5e or better cables are recommended for Gigabit speeds). Check the color of the port LED; a solid amber LED indicates a 10/100 Mbps connection, not Gigabit. Ensure your internet service provider (ISP) plan supports the speeds you expect.

Intermittent Connection:

Check for loose cable connections. Ensure the switch is placed in a stable environment, free from excessive heat or electromagnetic interference. Restart the switch by unplugging and re-plugging the power adapter.

8. SPECIFICATIONS

Model Number	GS308-300PAS
Number of Ports	8 Gigabit Ethernet (RJ45)
Data Transfer Rate	1 Gigabits Per Second
Interface Type	RJ45
Case Material	Metal
Product Dimensions (L x W x H)	6.22" x 4.02" x 1.02" (158mm x 102mm x 26mm)
Item Weight	0.39 Kilograms (13.7 ounces)
Voltage	12 Volts (DC)
Current Rating	0.01 Amps
Compatible Devices	Computers, servers, other switches, and networking hardware
Manufacturer	Netgear
UPC	606449140132

9. WARRANTY INFORMATION

The NETGEAR GS308 8-Port Gigabit Ethernet Unmanaged Switch comes with an industry-leading 3-year limited hardware warranty. For specific terms and conditions, please refer to the warranty documentation included with your product or visit the official NETGEAR support website.

10. SUPPORT AND COMPLIANCE

10.1 Technical Support

For further assistance, product registration, or to access the latest firmware and documentation, please visit the official NETGEAR support website: www.netgear.com/support.

10.2 Regulatory Compliance

This product is designed for use in the U.S. & CA only. Please note that this product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm, as per Proposition 65.