NETGEAR GS208-100PAS

NETGEAR 8-Port Gigabit Ethernet Unmanaged Switch (GS208) User Manual

Model: GS208-100PAS

1. Introduction

The NETGEAR 8-Port Gigabit Ethernet Unmanaged Switch (GS208) is designed to expand your network connectivity with ease. This plug-and-play device provides 8 Gigabit Ethernet ports, allowing you to connect multiple wired devices such as computers, gaming consoles, smart TVs, and network-attached storage (NAS) to your home or small office network. Its silent, fanless design makes it ideal for noise-sensitive environments, and its energy-efficient features help reduce power consumption.



Figure 1: Front view of the NETGEAR GS208 8-Port Gigabit Ethernet Unmanaged Switch.

2. Package Contents

Verify that your package contains the following items:

- NETGEAR 8-Port Gigabit Ethernet Unmanaged Switch (GS208)
- Power Adapter
- Quick Installation Guide

3. Physical Features

The GS208 switch features a compact design with indicators and ports for easy connectivity.

Front Panel

- **Power LED:** Indicates the power status of the switch.
- **Port LEDs (1-8):** Each port has an LED that indicates link status and activity.
  - Green: 1 Gigabit (1000 Mbps) connection.
  - Yellow: 100 Megabit (100 Mbps) connection.
  - Off: No link or 10 Megabit (10 Mbps) connection.

Rear Panel

- **Ethernet Ports (1-8):** RJ-45 ports for connecting network devices.
- **Power Input:** Connects to the included power adapter.



Figure 2: Front and rear views of the GS208 switch highlighting key features and ports.

4. Setup Instructions

The NETGEAR GS208 switch is designed for simple plug-and-play installation. No software configuration is required.

1. **Position the Switch:** Place the switch on a flat, stable surface, such as a desktop. Ensure adequate ventilation around the device.
2. **Connect to Power:** Connect the included power adapter to the power input port on the rear of the switch, then plug the adapter into a power outlet. The Power LED on the front panel will illuminate.
3. **Connect Network Devices:** Use standard Ethernet cables (Cat5e or higher recommended for Gigabit speeds) to connect your network devices (e.g., computer, router, game console, printer) to any of the 8 Ethernet ports on the switch.



Figure 3: Example network setup demonstrating how to connect various devices to the GS208 switch.

4. **Verify Connection:** Once a device is connected, the corresponding Port LED on the front panel will light up, indicating a successful link. The color of the LED (Green or Yellow) will indicate the connection speed.

Your NETGEAR GS208 switch is now ready for use.

5. Operation

The GS208 is an unmanaged switch, meaning it operates automatically without requiring any user configuration. It functions by forwarding data packets between connected devices at Gigabit speeds (up to 1000 Mbps).

- **Automatic Negotiation:** The switch automatically detects the speed and duplex mode of connected devices (10/100/1000 Mbps, half/full-duplex) and adjusts accordingly.
- **Auto MDI/MDIX:** All ports support Auto MDI/MDIX, eliminating the need for crossover cables when connecting to other switches or hubs.
- **Traffic Flow:** Data flows seamlessly between any connected devices. For example, a computer connected to Port 1 can communicate with a NAS connected to Port 5, or access the internet via a router connected to Port 8.



Figure 4: The GS208 switch enables fast, wired connections for streaming entertainment.



Figure 5: Ideal for wiring a home office, connecting multiple devices for business use.

6. Maintenance

The NETGEAR GS208 switch requires minimal maintenance due to its unmanaged nature and fanless design.

- **Cleaning:** Periodically wipe the exterior of the switch with a soft, dry cloth. Do not use liquid cleaners or aerosols.
- **Ventilation:** Ensure that the ventilation holes are not blocked to prevent overheating.
- **Firmware:** As an unmanaged switch, no firmware updates are typically required or available for user installation.
- **Power Cycle:** If you experience network issues, a simple power cycle (unplugging the power adapter for 10 seconds and then plugging it back in) can often resolve connectivity problems.

7. Troubleshooting

If you encounter issues with your NETGEAR GS208 switch, refer to the following common troubleshooting steps:

Problem	Possible Solution
No Power LED light.	Ensure the power adapter is securely connected to the switch and a working power outlet. Try a different power outlet. Verify the power adapter is the correct one supplied with the switch.
Port LED is off or not lighting up.	Check if the Ethernet cable is securely connected to both the switch port and the device. Try a different Ethernet cable. Ensure the connected device is powered on and functioning correctly. Try connecting the device to a different port on the switch.
Slow network speed (Port LED is Yellow instead of Green).	Ensure both the switch and the connected device support Gigabit Ethernet (1000 Mbps). Use a Cat5e or Cat6 Ethernet cable. Older Cat5 cables may not support Gigabit speeds reliably. Check the network adapter settings on your device to ensure it's set to auto-negotiate or 1000 Mbps full-duplex.
Devices cannot communicate through the switch.	Perform a power cycle on the switch (unplug and replug the power adapter). Verify that all connected devices have valid IP addresses and are on the same network subnet (if applicable to your network setup). Ensure your router or modem is functioning correctly and providing network access.

8. Specifications

Technical specifications for the NETGEAR GS208 8-Port Gigabit Ethernet Unmanaged Switch:

Feature	Detail
Model Number	GS208-100PAS
Switch Type	Unmanaged, Fixed
Number of Ports	8 Gigabit Ethernet (RJ-45)
Data Transfer Rate	10/100/1000 Mbps (Gigabit)
Dimensions (LxWxH)	8.86" x 7.48" x 2.32" (22.5 cm x 19 cm x 5.9 cm)
Weight	0.46 Kilograms (approx. 1 pound)
Power Consumption	Energy efficient design (IEEE 802.3az compliant)
Fanless Design	Yes, for silent operation
Auto MDI/MDIX	Supported on all ports
Jumbo Frame Support	Yes (typically up to 9K bytes)

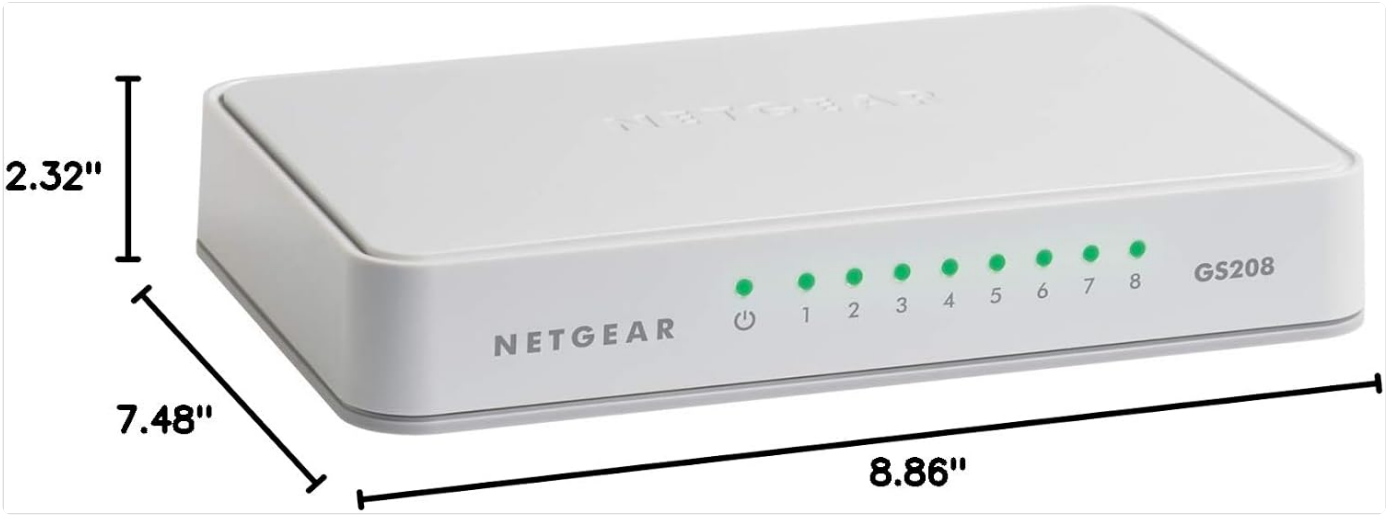


Figure 6: Physical dimensions of the NETGEAR GS208 switch.

9. Warranty and Support

NETGEAR provides comprehensive support for its products.

Limited Hardware Warranty

This product comes with a**1-year limited hardware warranty** from the date of purchase. For full warranty terms and conditions, please refer to the warranty information included with your product or visit the official NETGEAR website.

Technical Support

For technical assistance, product registration, or to access the latest documentation and software downloads, please visit the official NETGEAR support website:

www.netgear.com/support/

You may also find helpful resources, FAQs, and community forums on their support portal.

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