NETGEAR GS348-100NAS

NETGEAR GS348 48-Port Gigabit Ethernet Unmanaged Switch User Manual

Model: GS348-100NAS

Product Overview

The NETGEAR GS348 Unmanaged Switch is designed for desktop or rackmount installations, providing 48 Gigabit Ethernet ports for high-speed network connectivity. Its fanless design ensures quiet operation, making it suitable for noise-sensitive environments. This switch offers a simple plug-and-play solution without requiring any software installation or configuration.



Image: Front view of the NETGEAR GS348 48-Port Gigabit Ethernet Unmanaged Switch, showcasing its compact design and numerous Ethernet ports.

Package Contents

Verify that your package contains the following items:

- GS348 switch (with internal Power Supply Unit)
- Regional power cord(s)
- Rack mounting kit
- Rubber footpads for tabletop installation
- Quick installation guide

Setup

The GS348 switch is designed for easy plug-and-play installation. No software configuration is required.

Placement Options

The switch can be placed on a desktop or mounted in a standard equipment rack.

- **Desktop Installation:** Attach the included rubber footpads to the bottom of the switch to prevent scratching surfaces and ensure stability.
- **Rackmount Installation:** Use the provided rack mounting kit to secure the switch in a standard 19-inch equipment rack. Ensure adequate ventilation around the unit.

Connecting the Switch

1. Connect your network devices (computers, servers, network printers, IP cameras, WiFi access points, etc.) to any of the 48 Gigabit Ethernet ports on the front of the switch using standard Ethernet cables (RJ45).
2. Connect the included power cord to the power input on the rear of the switch and then to a suitable electrical outlet.
3. The switch will power on automatically. The LED indicators on the front panel will illuminate to show power status and port activity.



Image: Diagram illustrating the plug-and-play nature of NETGEAR Unmanaged Essentials Switches, showing connections to various devices like WiFi Access Points, IP Cameras, Computers, and Ready NAS.

Operating the Switch

The NETGEAR GS348 is an unmanaged switch, meaning it operates automatically without user configuration. Once connected, it provides network connectivity to all attached devices.

Key Features

- **48 Gigabit Ethernet Ports:** Provides high-speed wired connections for multiple devices.
- **Silent Operation:** Fanless design ensures quiet performance, suitable for various environments.
- **Energy Efficient:** Compliant with IEEE802.3az standards for reduced power consumption.
- **Auto-MDI/MDIX:** Automatically detects and adjusts for straight-through or crossover cables.
- **Flow Control:** Supports IEEE 802.3x flow control for reliable data transfer.

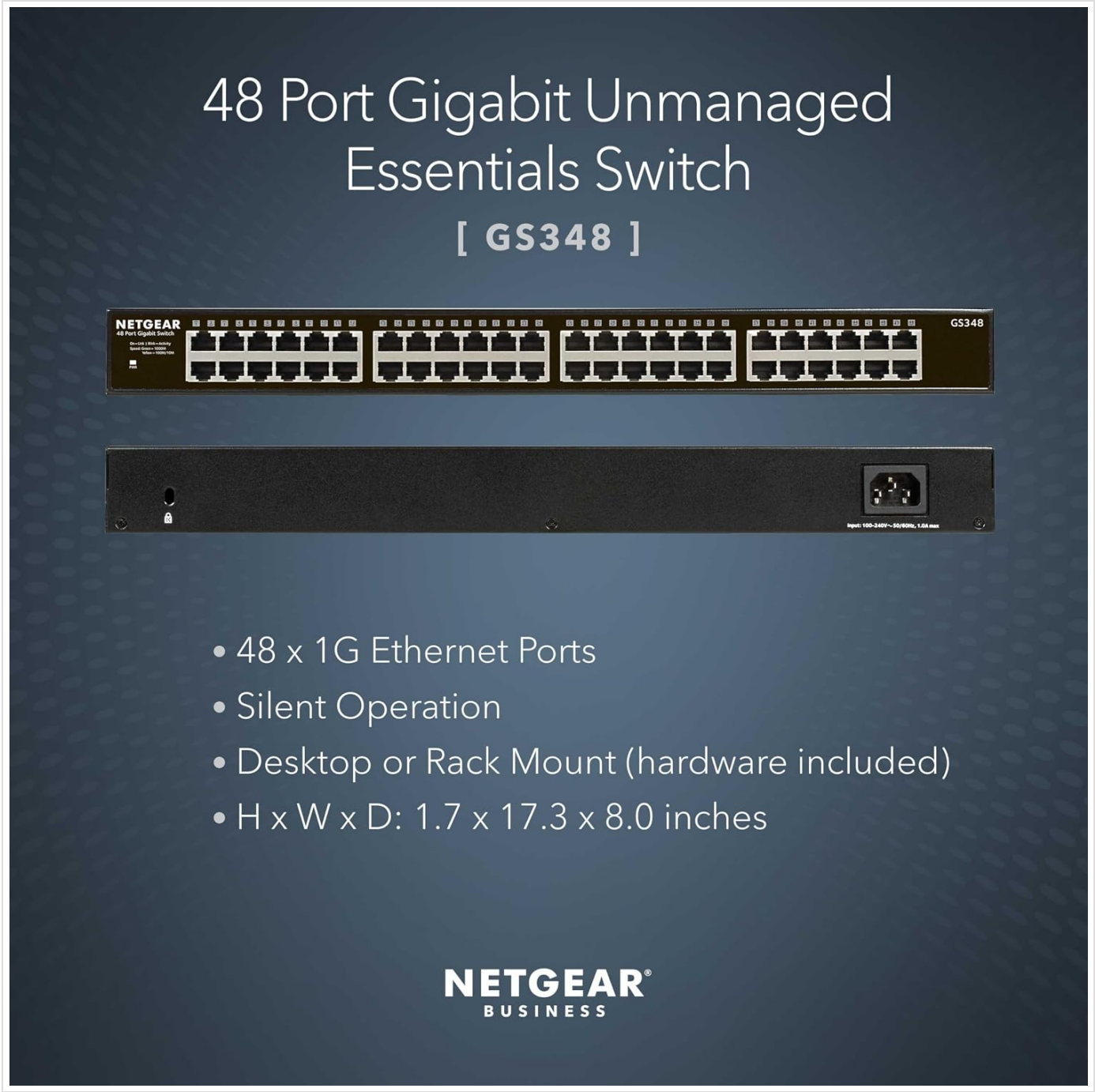


Image: Visual representation of the NETGEAR GS348 switch highlighting its key features: 48 x 1G Ethernet Ports, Silent Operation, Desktop or Rack Mount capability, and dimensions.

Maintenance

The NETGEAR GS348 switch requires minimal maintenance due to its unmanaged nature and robust design.

- **Cleaning:** Periodically wipe the exterior of the switch with a soft, dry cloth. Do not use liquid or aerosol cleaners.
- **Ventilation:** Ensure that the ventilation openings are not blocked. Maintain clear space around the switch for proper airflow, especially if rack-mounted.
- **Cable Management:** Keep network cables organized and free from kinks or excessive bends to prevent signal degradation.
- **Firmware Updates:** As an unmanaged switch, firmware updates are typically not required or available for user installation.

Troubleshooting

If you encounter issues with your NETGEAR GS348 switch, refer to the following common troubleshooting steps:

Problem	Possible Cause	Solution
No Power LED indication	Power cord not connected or power outlet issue.	Ensure the power cord is securely connected to the switch and a working electrical outlet. Test the outlet with another device.
No Link/Activity LED for a connected device	Incorrect cable, faulty cable, or device not powered on/configured.	Verify the Ethernet cable is securely plugged into both the switch port and the device. Try a different Ethernet cable. Ensure the connected device is powered on and its network adapter is functioning correctly. Check if the device's network settings are configured for DHCP (automatic IP address) or a correct static IP if applicable.
Slow network performance	Network congestion, cable issues, or device limitations.	Ensure all connected devices and cables support Gigabit Ethernet for optimal speed. Check for excessive network traffic or bandwidth-intensive applications. Inspect cables for damage.

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

Specifications

Attribute	Detail
Switch Type	Unmanaged, Layer 2
Number of Ports	48 Gigabit Ethernet (RJ45)
Data Transfer Rate	1000 Megabits Per Second (Mbps)
Product Dimensions (L x W x H)	17.32" x 10.24" x 1.73" (440 x 260 x 44 mm)
Item Weight	6.93 pounds (3.15 Kilograms)
Case Material	Metal
Voltage	48 Volts (DC) - Internal PSU
Model Number	GS348-100NAS
UPC	606449120202
Color	Black

Warranty Information

The NETGEAR GS348 Unmanaged Switch comes with an industry-leading**3-year limited hardware warranty**. For detailed terms and conditions, please refer to the warranty documentation included with your product or visit the official

NETGEAR support website.

Support and Resources

For additional assistance, product registration, or to download the latest documentation, please visit the official NETGEAR support website.

- **Official User Guide (PDF):** Download User Guide
- **Installation Manual (PDF):** Download Installation Manual
- **NETGEAR Support Website:** www.netgear.com/support

NETGEAR also offers various support options including online forums, knowledge bases, and technical support hotlines. Please check the NETGEAR website for region-specific contact information.

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Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

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After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question