

## Manuals+

[Q & A](#) | [Deep Search](#) | [Upload](#)

Manuals.plus /

› [NETGEAR](#) /

› NETGEAR GS324 24-Port Gigabit Ethernet Unmanaged Switch Instruction Manual

## NETGEAR GS324

# NETGEAR GS324 24-Port Gigabit Ethernet Unmanaged Switch Instruction Manual

## 1. OVERVIEW

The NETGEAR 24-Port Gigabit Ethernet Unmanaged Switch (GS324) provides simple, reliable, and affordable connectivity for your home or small office network. Designed for plug-and-play operation, it requires no software installation or configuration. Its rugged metal enclosure, silent fanless design, and versatile mounting options (desktop, wall, or rackmount) ensure convenient deployment in various environments. The switch features auto-sensing ports, Auto-MDI/MDIX to eliminate crossover cables, jumbo packet support, auto-negotiation for optimal speeds, non-blocking switching architecture for maximum throughput, and energy-efficient technology (IEEE 802.3az and short cable power reduction).

# 24 Port Gigabit Unmanaged Essentials Switch

## [ GS324 ]



- 24 x 1G Ethernet Ports
- Silent Operation
- Desk/Wall/Rack Mount (hardware included)
- H x W x D: 1.7 x 9.9 x 7.1 inches

**NETGEAR**  
BUSINESS

Figure 1: Front view of the NETGEAR GS324 24-Port Gigabit Ethernet Unmanaged Switch.

### Key Features:

- **24 Gigabit Ethernet Ports:** Provides ample connectivity for multiple devices.
- **Plug-and-Play Setup:** No software or configuration required for immediate use.
- **Versatile Mounting:** Supports desktop, wall, or rackmount placement with included hardware.
- **Silent Operation:** Fanless design ensures quiet performance, ideal for noise-sensitive environments.
- **Energy Efficient:** Compliant with IEEE 802.3az for power savings.
- **Durable Design:** Features a rugged metal enclosure for enhanced longevity.

## 2. PACKAGE CONTENTS

Verify that your package contains all the following items:

- NETGEAR 24-Port Gigabit Ethernet Unmanaged Switch (GS324v2)
- Power cord (100-240VAC~50/60Hz)

- Desktop rubber feet
- Rackmount kit
- Wallmount kit
- Installation guide

## 3. SETUP

### 3.1 Physical Installation

The GS324 switch offers flexible placement options:

- **Desktop Placement:** Place the switch on a flat, stable surface. Attach the included rubber feet to the bottom of the switch to prevent slipping and protect surfaces.
- **Wallmount Installation:** Use the provided wallmount kit to securely attach the switch to a wall. Ensure the mounting surface is sturdy enough to support the switch's weight and that cables can reach without strain.
- **Rackmount Installation:** The switch can be installed in a standard 19-inch equipment rack using the included rackmount kit. Follow the instructions provided with the kit for proper installation.

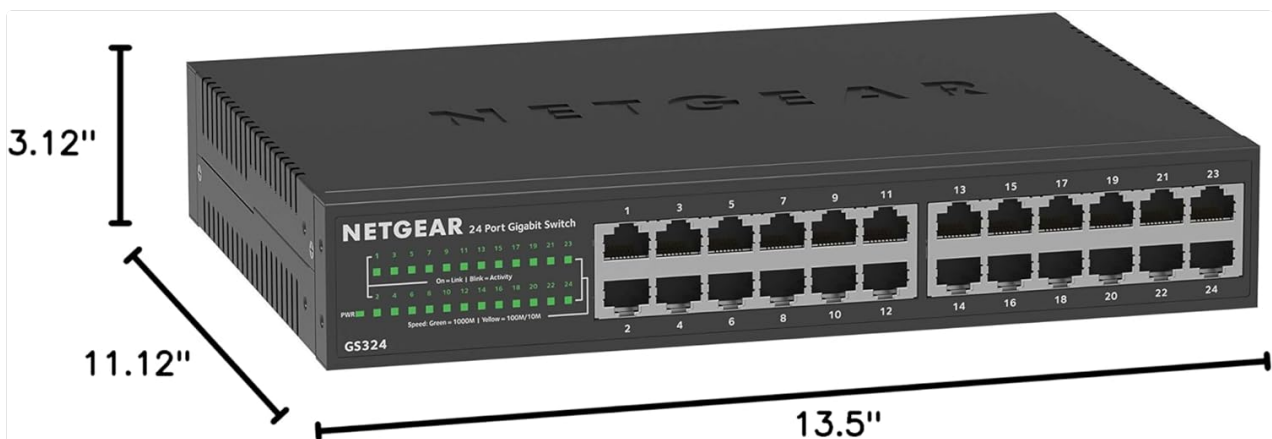


Figure 2: Dimensions of the NETGEAR GS324 switch, illustrating its compact size for various installations.

### 3.2 Power Connection

Connect the provided power cord to the power inlet on the rear of the switch and then to a suitable power outlet. The switch will power on automatically as there is no power on/off button.

# Consider a NETGEAR Easy Smart Managed Switch for Additional Controls

Features	Unmanaged Essentials Switch	Easy Smart Managed Switch
<b>VLAN</b> Segregate networks for security and simplified management	—	✓
<b>QoS</b> Determine traffic priority between file transfer, audio, video	—	✓
<b>Priority Setting</b> per port for VoIP, rate limiting, and VLANs	—	✓

Figure 3: Rear view of the NETGEAR GS324 switch, showing the power inlet.

### 3.3 Network Connection

Connect your network devices (e.g., computers, servers, network-attached storage (NAS), access points, routers) to any of the 24 Gigabit Ethernet ports on the front of the switch using standard Ethernet cables. The switch's auto-sensing ports will automatically detect the speed and duplex mode of the connected device.

# Whatever Your Networking Needs, NETGEAR Business has You Covered

## Management Software

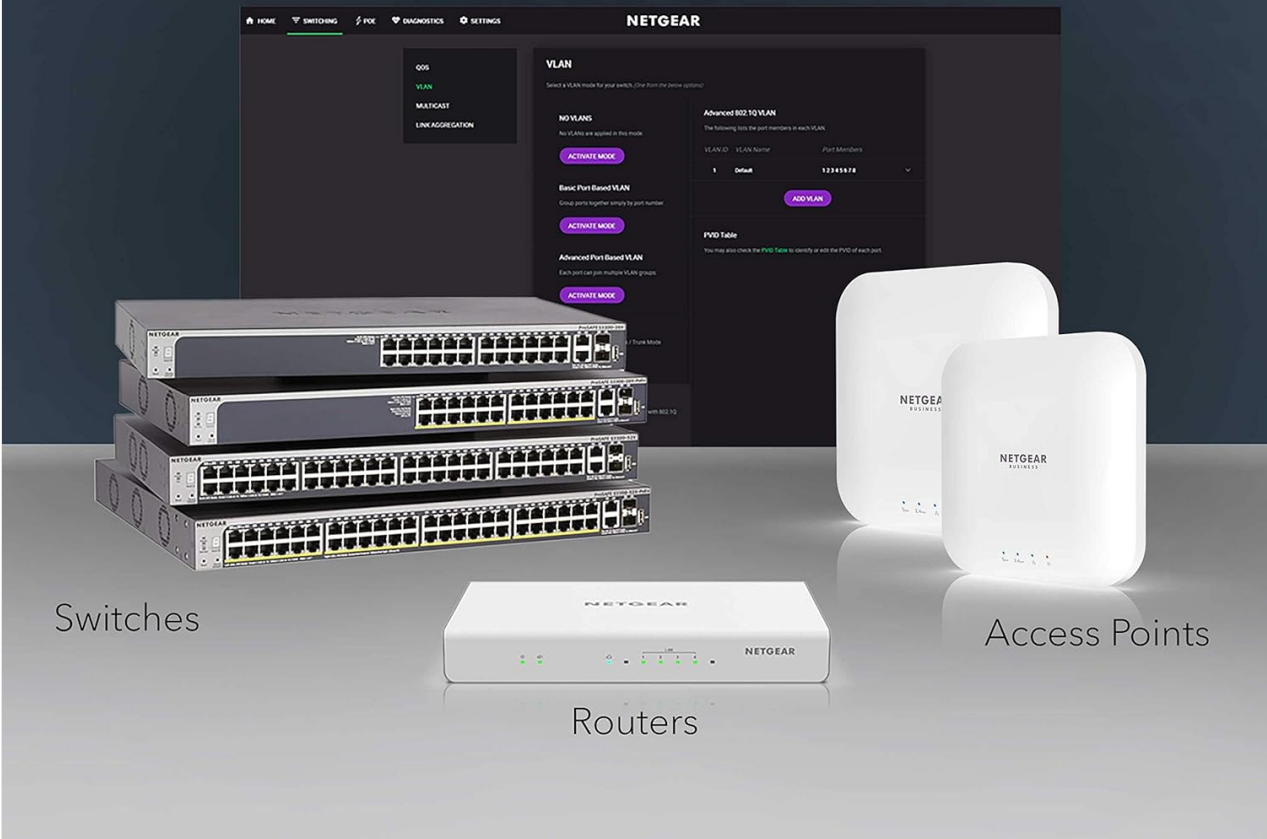


Figure 4: Example network diagram for a small office or home office, illustrating how various devices connect to the NETGEAR switch.

### 3.4 Understanding Ethernet Switches

For a general understanding of what an Ethernet switch is and how it functions within a network, you may find the following video helpful:

Video 1: An informational video from Netgear Inc. explaining the basic concept and function of an Ethernet switch in a network environment.

## 4. OPERATING INSTRUCTIONS

### 4.1 LED Indicators

The front panel of the GS324 switch features LED indicators for each port and for power status. These LEDs provide visual feedback on the switch's operation and connectivity status:

- **Power LED:** Indicates if the switch is powered on.
- **Link/Activity LEDs (per port):**
  - **Solid Green:** A valid network link is established at 1000 Mbps (Gigabit Ethernet).
  - **Solid Amber:** A valid network link is established at 10/100 Mbps.
  - **Blinking:** Indicates network activity (data transmission) on that port.
  - **Off:** No link is detected or the connected device is powered off.



Figure 5: Front panel of the NETGEAR GS324 switch, highlighting the LED indicators for power and individual port status.

## 4.2 Basic Connectivity

Once powered on and devices are connected, the switch operates automatically. Data packets are forwarded between connected devices at Gigabit speeds, ensuring efficient network performance without manual configuration.

## 5. MAINTENANCE

The NETGEAR GS324 switch is designed for minimal maintenance due to its unmanaged nature and fanless design. To ensure optimal performance and longevity:

- **Keep Ventilated:** Ensure adequate airflow around the switch to prevent overheating. Avoid blocking the ventilation slots on the sides.
- **Clean Regularly:** Periodically wipe the exterior of the switch with a soft, dry cloth to remove dust. Do not use liquid cleaners or aerosols.
- **Cable Management:** Keep network cables organized and free from kinks or excessive bends to prevent signal degradation.

## 6. TROUBLESHOOTING

If you experience issues with your NETGEAR GS324 switch, consider the following troubleshooting steps:

- **No Power:** Check that the power cord is securely connected to both the switch and a working power outlet. Verify the power LED is illuminated.
- **No Link on a Port:** Ensure the Ethernet cable is securely connected to both the switch port and the network device. Try a different Ethernet cable or port. Verify the connected device is powered on and functioning correctly.
- **Slow Network Speed:** Confirm that all connected devices and cables support Gigabit Ethernet (Cat5e or Cat6 cables are recommended for Gigabit speeds). Check the Link/Activity LED for the port; a solid green indicates a Gigabit connection.
- **Intermittent Connectivity:** Inspect cables for damage. Ensure the switch is not overheating and has proper ventilation.

## 7. SPECIFICATIONS

Feature	Specification
Model Number	GS324-200NAS
Number of Ports	24 Gigabit Ethernet
Data Transfer Rate	24 Gigabits Per Second
Switch Type	Unmanaged
Case Material	Metal
Fanless Design	Yes (Silent Operation)
Energy Efficient	IEEE 802.3az compliant
Auto-MDI/MDIX	Yes
Jumbo Packet Support	Yes
Dimensions (L x W x H)	13.5"L x 11.12"W x 3.12"H

Feature	Specification
Item Weight	1.3 Kilograms
Operating Temperature	Up to 40 Degrees Celsius
UPC	606449151459

## 8. WARRANTY AND SUPPORT

### 8.1 Warranty Information

The NETGEAR GS324 24-Port Gigabit Ethernet Unmanaged Switch is covered by a 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.

### 8.2 Technical Support

For further assistance, technical support, or to access additional resources such as FAQs and firmware updates, please visit the official NETGEAR support website at [www.netgear.com/support](http://www.netgear.com/support).