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› NETGEAR GS305P 5-Port PoE Gigabit Ethernet Unmanaged Switch User Manual

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Model: GS305P

1. INTRODUCTION

This manual provides instructions for the installation, operation, and maintenance of your NETGEAR GS305P 5-Port PoE Gigabit Ethernet Unmanaged Switch. This device is designed to expand your network connectivity with both standard Gigabit Ethernet and Power over Ethernet (PoE+) capabilities, ideal for small office or home network environments.

2. PACKAGE CONTENTS

Verify that your package contains the following items:

- NETGEAR GS305P 5-Port PoE Gigabit Ethernet Unmanaged Switch (GS305Pv3)
- Power adapter
- Wallmount Kit
- Quick installation guide

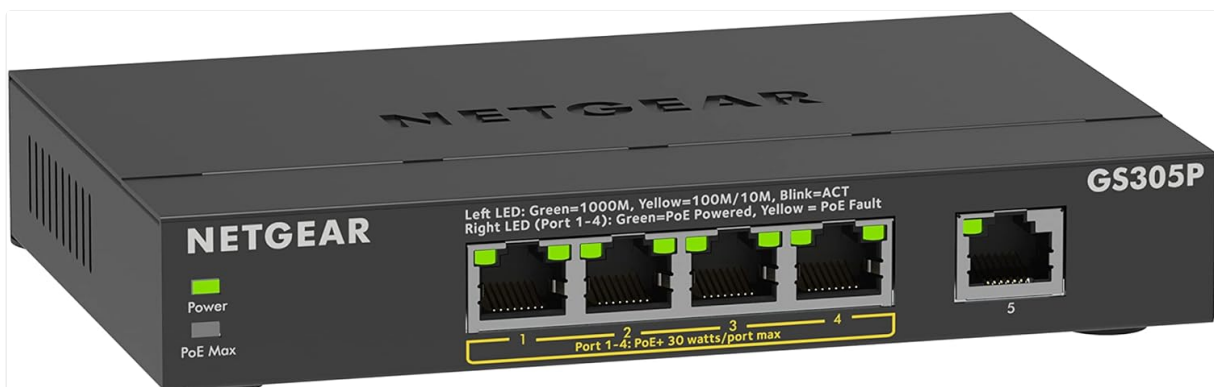


Image: The NETGEAR GS305P switch, power adapter, and power cord as typically found in the package.

3. PRODUCT OVERVIEW

The NETGEAR GS305P is an unmanaged switch featuring 5 Gigabit Ethernet ports, with 4 of these ports supporting PoE+ (Power over Ethernet Plus). It provides a total power budget of 63W for connected PoE devices. The switch is designed for plug-and-play operation, requiring no software installation or configuration.

Video: An overview of the NETGEAR 5-Port PoE Switch, demonstrating its features and ease of use.

Front Panel

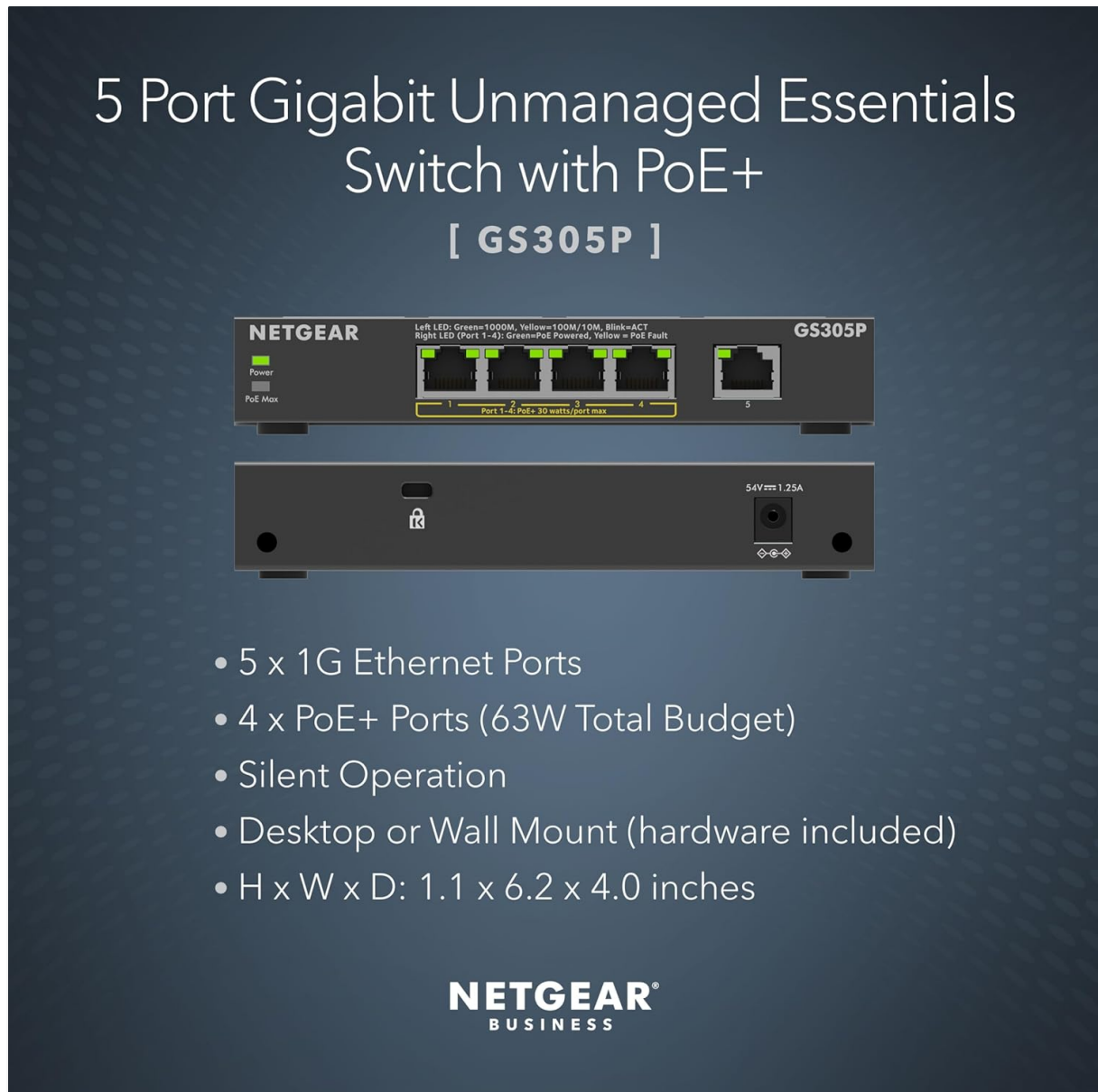


Image: Front panel of the GS305P switch, highlighting the 5 Gigabit Ethernet ports and LED indicators for power, PoE Max, link/activity, and PoE fault.

- **Power LED:** Indicates power status.
- **PoE Max LED:** Illuminates when PoE power consumption is near maximum capacity.
- **Link/Activity LEDs (Ports 1-5):** Green for 1000Mbps link, Yellow for 10/100Mbps link. Blinks to indicate activity.
- **PoE Status LEDs (Ports 1-4):** Green for PoE powered, Yellow for PoE fault.
- **Ethernet Ports (1-5):** RJ-45 ports for network connections. Ports 1-4 support PoE+.

4. SETUP AND INSTALLATION

The NETGEAR GS305P switch is designed for simple plug-and-play installation. No software configuration is required.

4.1 Connecting the Switch

1. Connect the power adapter to the switch's power input and then plug the power adapter into an electrical outlet. The Power LED on the switch will illuminate.
2. Connect your router or modem to any of the 5 Gigabit Ethernet ports on the switch using an Ethernet cable.
3. Connect your network devices (computers, printers, network storage) to the remaining Gigabit Ethernet ports. For PoE-powered devices (e.g., IP cameras, wireless access points), connect them to ports 1-4.



Image: A diagram illustrating the plug-and-play nature of the unmanaged switch, connecting various devices like WiFi Access Points, IP Cameras, Computers, and NAS.

4.2 Mounting Options

The GS305P switch can be placed on a desktop or mounted on a wall. A wallmount kit is included for secure installation.

- **Desktop Placement:** Ensure the switch is placed on a flat, stable surface with adequate ventilation.
- **Wall Mount:** Use the provided wallmount kit to secure the switch to a wall. Refer to the quick installation guide for detailed steps on wall mounting.

5. OPERATING THE SWITCH

Once connected, the switch operates automatically. The LEDs provide visual feedback on the network status.

- **Power On:** The Power LED will be green when the switch is receiving power.
- **Network Activity:** The Link/Activity LEDs will light up when a device is connected and blink to indicate data transmission.
- **PoE Power:** For PoE-powered devices, the PoE Status LED will be green when power is being supplied. If a PoE fault occurs, the LED will turn yellow.
- **Silent Operation:** The fanless design ensures quiet operation, making it suitable for noise-sensitive environments.

6. MAINTENANCE

To ensure optimal performance and longevity of your switch, follow these maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the switch. Do not use liquid or aerosol cleaners.
- **Ventilation:** Ensure that the ventilation openings are not blocked to prevent overheating.
- **Environment:** Operate the switch within its specified temperature and humidity ranges. Avoid direct sunlight or extreme temperatures.
- **Cable Management:** Keep network cables organized to prevent strain on ports and improve airflow.

7. TROUBLESHOOTING

If you encounter issues with your NETGEAR GS305P switch, refer to the following common troubleshooting steps:

- **No Power:** Ensure the power adapter is securely connected to the switch and a working electrical outlet. Check the Power LED.
- **No Link/Activity:** Verify that Ethernet cables are properly connected to both the switch and the connected device. Try a different cable or port. Check the Link/Activity LED.
- **PoE Device Not Powering On:** Ensure the device is PoE-compatible and connected to one of the PoE+ ports (1-4). Check the PoE Status LED for the port; a yellow light indicates a fault. Verify the total power budget (63W) is not exceeded by all connected PoE devices.
- **Slow Network Speed:** Ensure all connected devices and cables support Gigabit Ethernet for optimal performance. Check for excessive network traffic.

8. SPECIFICATIONS

Key technical specifications for the NETGEAR GS305P switch:

Feature	Description
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Feature	Description
Model	GS305P (GS305Pv3)
Number of Ports	5 Gigabit Ethernet ports
PoE+ Ports	4 (Ports 1-4)
Total PoE Power Budget	63W
Data Transfer Rate	1000 Mbps (Gigabit)
Switch Type	Unmanaged
Case Material	Metal
Dimensions (L x W x H)	9.5" x 6.7" x 3.4" (approximate, from product data)
Voltage	240 Volts (Power adapter input)
Operating Environment	Designed for indoor use in U.S. & CA.

Ensure Adequate Power for Today & Tomorrow










Powered Devices	PoE Up to 15W per port	PoE+ Up to 30W per port	PoE++ Up to 60W per port
WIFI ACCESS POINT 	✓	✓	✓
BASIC CAMERAS 	✓	✓	✓
VOIP PHONE 	✓	✓	✓
WIFI 6 (AX) ACCESS POINT 		✓	✓
HD SECURITY 		✓	✓
VIDEO PHONE 		✓	✓
DIGITAL SIGNAGE 			✓
POINT-OF-SALE SYSTEM 			✓
SMART BUILDING LIGHTING 			✓

Image: A table illustrating the power capabilities of PoE, PoE+, and PoE++ for different powered devices.

9. WARRANTY AND SUPPORT

9.1 Warranty Information

The NETGEAR GS305P switch comes with an industry-leading **3-year limited hardware warranty**. Please retain your proof of purchase for warranty claims. For full warranty terms and conditions, refer to the official NETGEAR website or the documentation included with your product.

9.2 Technical Support

For technical assistance, product registration, or to access additional resources, visit the official NETGEAR support website. You can find FAQs, firmware updates, and community forums there.

NETGEAR Support Website: www.netgear.com/support