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› NETGEAR 5-Port Gigabit Ethernet Unmanaged Essentials Switch (GS305) User Manual

NETGEAR GS305-300PAS

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Model: GS305-300PAS

INTRODUCTION

The NETGEAR 5-Port Gigabit Ethernet Unmanaged Essentials Switch (GS305) is designed to provide an easy, reliable, and affordable way to expand your network connections in homes and small offices. This plug-and-play device features a rugged metal case, ensuring durability. It incorporates energy-efficient technology, a fanless design for silent operation, auto-negotiation, and non-blocking switching architecture to deliver optimal performance without complex setup.



Image: The NETGEAR GS305 switch provides fast, wired connectivity for your home or office network.

WHAT'S IN THE BOX

- 1 x NETGEAR 5-Port Switch (GS305v3)
- 1 x Power adapter
- 1 x Quick installation guide



Image: The NETGEAR GS305 switch, a compact device with five Ethernet ports.

KEY FEATURES

- 5 Gigabit Ethernet ports for high-speed wired connections.
- Simple plug-and-play setup with no software to install or configuration needed.
- Supports desktop or wall mount placement for flexible installation.
- Energy efficient design compliant with IEEE802.3az for reduced power consumption.
- Silent operation, ideal for noise-sensitive environments due to its fanless design.
- Rugged metal case ensures durability and longevity.
- Auto MDI/MDIX eliminates the need for crossover cables.
- LED indicators on each port for easy status monitoring.
- Non-blocking switching architecture for maximum throughput.

GS305 Key Features



Back View

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

Image: Visual representation of the GS305 switch highlighting its key features and port layout.

SETUP

The NETGEAR GS305 switch is designed for simple plug-and-play installation. No software or configuration is required.

1. **Power Connection:** Connect the provided power adapter to the switch's power input and then to a power outlet. The power LED on the switch will illuminate.
2. **Connect to Router/Modem:** Use an Ethernet cable to connect one of the switch's ports (any port will work, as it's unmanaged) to an available Ethernet port on your router or modem.
3. **Connect Devices:** Connect your network devices (e.g., computers, gaming consoles, smart TVs, printers) to the remaining Ethernet ports on the switch using Ethernet cables. The link/activity LEDs for connected ports will light up, indicating a successful connection and data activity.

The switch will automatically detect the speed and duplex mode of the connected devices, providing optimal performance.

Easily Expand Wired Connectivity Anywhere in Your Home

Different port count solutions are available for every room

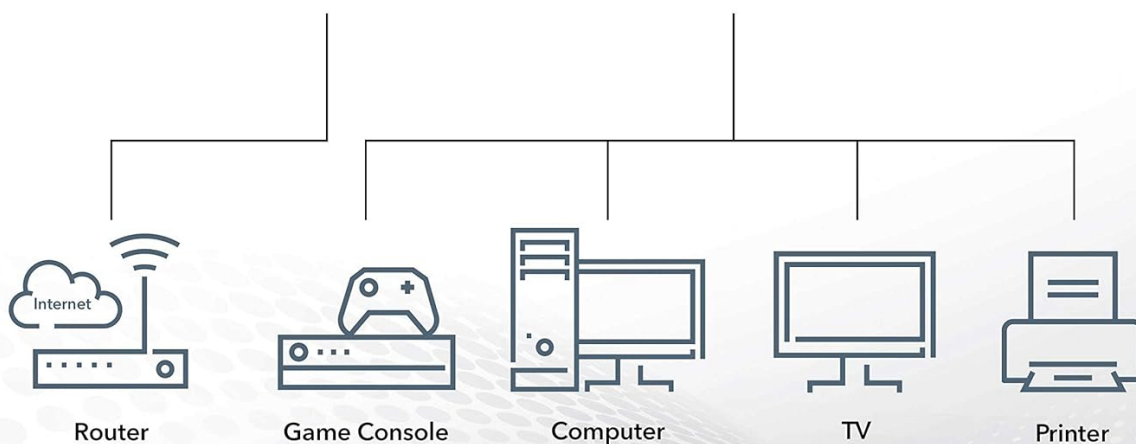


Image: The GS305 switch allows you to easily expand wired connectivity by connecting multiple devices to your network.

OPERATING THE SWITCH

The NETGEAR GS305 is an unmanaged switch, meaning it operates automatically without requiring any user configuration. Once connected, it functions as a central hub for your wired network devices.

LED Indicators

- **Power LED:** Indicates the power status of the switch. Lit when power is supplied.
- **Link/Activity LEDs (per port):**
 - Solid Green: Indicates a valid network connection at Gigabit speed (1000 Mbps).
 - Solid Amber: Indicates a valid network connection at 10/100 Mbps speed.
 - Blinking: Indicates network activity (data transmission/reception) on that port.
 - Off: No device connected or connection issue.

The switch's non-blocking architecture ensures full wire-speed forwarding on all ports simultaneously, providing maximum network performance for all connected devices.

Stream Entertainment at Wired Speed

Free up your WiFi with fast wired connections
for all your entertainment devices



Image: Enjoy seamless streaming and gaming with the reliable wired connection provided by the GS305 switch.

Wire Your Home Office for Business

Connect all your office devices to a high speed
plug-and-play switch



Image: The GS305 switch is ideal for wiring your home office, connecting all your devices to a high-speed network.

MAINTENANCE

The NETGEAR GS305 switch requires minimal maintenance. To ensure optimal performance and longevity:

- Keep the device in a well-ventilated area to prevent overheating.
- Avoid placing the switch near heat sources or in direct sunlight.
- Keep the device clean and free from dust. Use a soft, dry cloth for cleaning. Do not use liquid cleaners or aerosol sprays.
- Ensure all cable connections are secure and free from damage.

TROUBLESHOOTING

If you encounter issues with your NETGEAR GS305 switch, try the following basic troubleshooting steps:

- **No Power:** Check if the power adapter is securely connected to the switch and the power outlet. Ensure the power outlet is functional.

- **No Link/Activity LED:**

- Verify that the Ethernet cable is securely connected to both the switch port and the device.
- Try a different Ethernet cable.
- Test with a different device or a different port on the switch.
- Ensure the connected device is powered on and its network adapter is enabled.

- **Slow Network Speed:**

- Check the Link/Activity LED color. Green indicates Gigabit speed, Amber indicates 10/100 Mbps. If it's Amber and you expect Gigabit, ensure both the cable and the connected device support Gigabit Ethernet.
- Ensure your internet connection itself is not the bottleneck.

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

SPECIFICATIONS

Feature	Detail
Brand	NETGEAR
Model Number	GS305-300PAS
Number of Ports	5 Gigabit Ethernet
Switch Type	Unmanaged, Plug-and-Play
Data Transfer Rate	10/100/1000 Mbps (Gigabit)
Case Material	Metal
Dimensions (L x W x H)	6.2 x 4 x 1.1 inches
Item Weight	8.5 ounces
Power Input	100-240 Volts
Operating Temperature	Up to 40 Degrees Celsius
Energy Efficiency	IEEE802.3az compliant
Silent Operation	Fanless design





			
GS305	GS305E	GS308	GS308E
5 x 1G ports	5 x 1G ports	8 x 1G ports	8 x 1G ports
Plug-n-play	Plug-n-play	Plug-n-play	Plug-n-play
	Enhanced Security (VLAN)		Enhanced Security (VLAN)
	Port Prioritization (QoS)		Port Prioritization (QoS)

Image: The GS305 offers 5 Gigabit ports and plug-and-play functionality, suitable for basic network expansion.

WARRANTY AND SUPPORT

The NETGEAR GS305 switch comes with an industry-leading 3-year limited hardware warranty. For detailed warranty information and terms, please refer to the official documentation included with your product or visit the NETGEAR website. For technical support, product registration, and additional resources, please visit the official NETGEAR support page or refer to the User Guide (PDF) available online.

Official User Guide: [Download User Guide \(PDF\)](#)

Installation Manual: [Download Installation Manual \(PDF\)](#)

NETGEAR Store: [Visit the NETGEAR Store on Amazon](#)