**Manuals+** — User Manuals Simplified.



# NETGEAR GS305E 5-Port Gigabit Ethernet Plus Switch Specifications And Datasheet

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## Contents

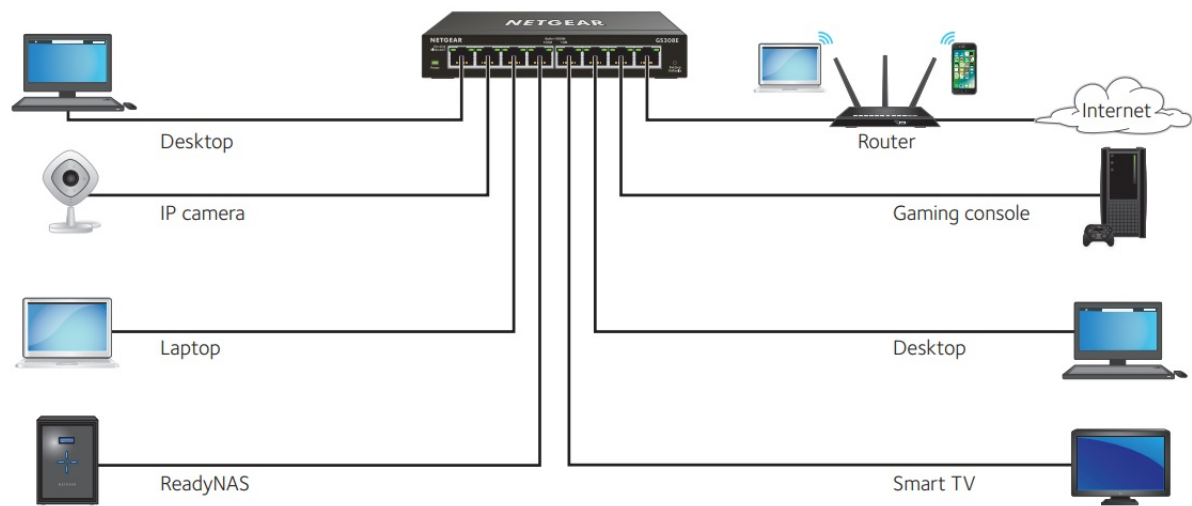**NETGEAR GS305E 5-Port Gigabit Ethernet Plus Switch**

## Introduction

NETGEAR ® Plus Switches meet this growing need by providing fundamental network features such as VLANs, QoS, and IGMP Snooping that will help optimize the performance of business networks. Plus Switches are the perfect upgrade from the plug-and-play unmanaged switch, delivering essential networking features at a very affordable price.

## Highlights

- Enable network configuration and management at the price point of Unmanaged Switches
- Simple, yet useful network set-up on top of plug-and-play connectivity
- Flexible management via easy-to-use web browser-based management GUI or using the PC-based Utility application
- VLAN support for traffic segmentation
- Quality of Service (QoS) for traffic prioritization
- Auto "denial-of-service" (DoS) prevention
- Troubleshoot connection issues via cable test
- Loop detection and broadcast storm controls
- Rate limiting for better bandwidth allocation
- Port mirroring for network monitoring
- Jumbo frame support

## Small Office/Home Office Network Diagram

## Specifications

**Features**

- **Gigabit ports**: 5
- **Max MAC entries**: 8K
- **Buffer Size**: 128KB
- **Energy Efficient Ethernet (IEEE 802.3az) compliant**: Yes

**Performance Specification:**

- **Forwarding modes**: Store-and-forward
- **Bandwidth**: 10Gbps
- **Priority queuing**: Weighted Round Robin (WRR), Strict Priority, or both
- **Jumbo frame support**: Up to 9K packet size
- **Acoustic noise level @ 25° C (dBA) (ANSI-S10.12)**: 0
- **Mean Time Between Failures (MTBF) @ 25° C**: 2,531,294 hours

**L2 Services – VLANS:**

- **VLAN (# Supported)**: 64
- **IEEE 802.1Q VLAN Tagging**: Yes
- **Port-based VLANs**: Yes

**L2 Services – Availability:**

- **Link Aggregation/Port Trunking**: No
- **Number of Static Manual LAGs and # of members**: N/A

**L2 Services – Multicast Filtering:**

- **IGMP snooping (v1, v2, and v3)**: Yes

- **Block unknown multicast**: Yes
- **Supported Multicast groups**: 128

**L3 Services – DHCP:**

- **DHCP client**: Yes

**Quality of Service:**

- **Rate Limiting**: Yes
- **DSCP**: Yes
- **IEEE 802.1p COS**: Yes
- **Port-based VLAN**: Yes
- **TOS**: Yes, No
- **WRR (Weighted Round Robin)**: Yes
- **Strict Priority Queue technology**: Yes

## IEEE Network Protocols

- IEEE 802.3 Ethernet
- IEEE 802.3ab 1000BASE-T
- IEEE 802.3u 100BASE-T
- IEEE 802.3ab 1000BASE-T
- EEE 802.1p Class of Service
- IEEE 802.1Q VLAN Tagging
- IEEE 802.3x Full-duplex Flow Control

## Management

- **System Password**: Yes
- **Web browser-based management GUI**: Yes
- **PC Utility**: Yes
- **Port Mirroring**: Yes
- **Max number of source ports allowed (many-to-one port mirroring)**: 4
- **Many-to-one Port Mirroring**: Yes
- **Cable Test Utility**: Yes
- **FW Upgrade Thru Plus Utility (TFTP)**: Yes
- **Config download (to Switch) thru Plus Utility**: Yes
- **Config upload (to server)**: Yes

## LEDs

- Per port Speed, Link, Activity
- Per device Power, system

**Physical Specifications**

- **Dimensions (W x D x H)**: 94 x 100 x 27 mm (3.7 x 3.9 x 1.1 in)
- **Weight**: 0.25 kg

**Environmental Specifications**

- **Operating:**
    - **Operating temperature**: 32° to 122°F (0° to 50°C)
    - **Humidity (relative)**: 90% maximum relative humidity (RH), non-condensing
    - **Altitude**: 10,000 ft (3,000 m) maximum
- **Storage:**
    - **Storage temperature**: –4° to 158°F (–20° to 70°C)
    - **Humidity (relative)**: 95% maximum relative humidity (RH)
    - **Altitude**: 10,000 ft (3,000 m) maximum

**Electromagnetic Emissions and Immunity Certifications:**

- CE mark, commercial
- FCC Part 15 class B
- CE/EN55032/24
- VCCI
- ACMA

**Warranty and Support (GS305E, GS308E)**

- **All Except China**: 5-year warranty
- **China**: 1-year warranty
- **Technical Support (online, phone)**: 90 days free from date of purchase*

**ProSUPPORT OnCall 24×7 Service Plans Category S1**

- PMB0S11-10000S
- PMB0S31-10000S
- PMB0S51-10000S

**FAQ's**

What is the NETGEAR GS305E?

The NETGEAR GS305E is a 5-Port Gigabit Ethernet Plus Switch designed to expand your network with ease.

How many ports does the GS305E switch have?

The GS305E switch has 5 Gigabit Ethernet ports.

What is the purpose of a Gigabit Ethernet Plus Switch?

A Gigabit Ethernet Plus Switch like the GS305E offers advanced features for managing and optimizing network traffic.

Is the GS305E switch suitable for home or small office use?

Yes, it's ideal for both home and small office environments, providing reliable network expansion.

What are the key features of the GS305E switch?

Key features include QoS support, VLAN support, and a user-friendly web interface for configuration.

Can I prioritize network traffic with the GS305E?

Yes, Quality of Service (QoS) support allows you to prioritize important traffic for a smoother experience.

Is VLAN support available on this switch?

Yes, the GS305E supports VLANs, enabling network segmentation for improved performance and security.

What is the maximum data transfer rate for each port?

Each port on the GS305E supports Gigabit Ethernet speeds, up to 1000 Mbps.

Is this switch easy to set up?

Yes, it features a straightforward web-based interface for easy configuration.

Can I mount the GS305E switch on a wall?

Yes, it has a wall-mountable design for flexible installation options.

What is the warranty for the GS305E switch?

The NETGEAR GS305E comes with a limited lifetime hardware warranty and free technical support.

Is the GS305E switch energy-efficient?

Yes, it features energy-efficient Ethernet (EEE) for power savings when devices are not in use.

Can I daisy-chain multiple GS305E switches?

Yes, you can daisy-chain multiple switches to expand your network further.

**References: [NETGEAR GS305E 5-Port Gigabit Ethernet Plus Switch – Device.report](#)**

[Manuals+](#),