



NETGEAR GS308E 8-Port Gigabit Ethernet Plus Switch Specifications And Datasheet

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NETGEAR GS308E 8-Port Gigabit Ethernet Plus Switch



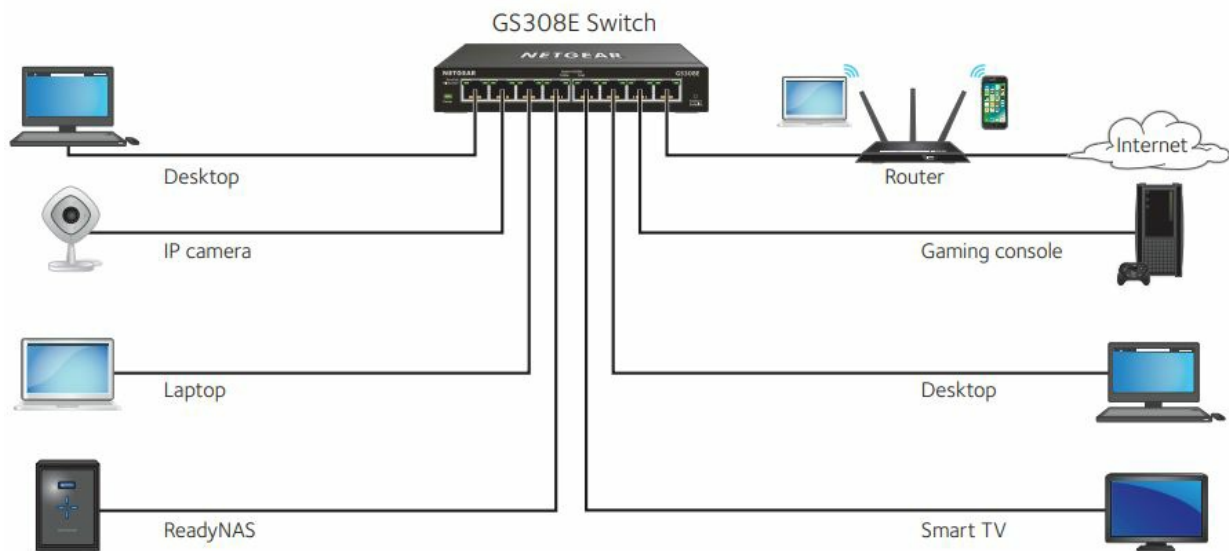
Introduction

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.

Product Highlight

- 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:** 8
- **Max MAC entries:** 4K
- **Buffer Size:** 192KB
- **Energy Efficient Ethernet (IEEE 802.3az) compliant:** Yes

Performance Specification

- **Forwarding modes:** Store-and-forward
- **Bandwidth:** 16Gbps
- **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 1,638,156 hours

L2 Services – VLAN'S

- **VLAN (# Supported):** 32
- **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:** No
- **IEEE 802.1p COS:** Yes
- **Port-based VLAN:** Yes
- **TOS:** 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
- IEEE 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):** 7
- **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):** 158 x 101 x 29 mm (6.2 x 4 x 1.1 in)
- **Weight:** 0.5kg

Environmental Specifications

Operating

- **Operating temperature:** 0° to 40°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), non-condensing
- **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

- **All Except China:** 5-year warranty
- **China:** 1-year warranty
- **Technical Support (online, phone):** 90 days free from date of purchase*
- **ProSUPPORT OnCall 24x7 Service Plans:** Category S1
 - PMB0S11-10000S
 - PMB0S31-10000S
 - PMB0S51-10000S

Support

- **Address:** NETGEAR, Inc. 350 E. Plumeria Drive, San Jose, CA 95134-1911 USA,
- **Phone:** 1-888-NETGEAR (638-4327)
- **E-mail:** info@NETGEAR.com
- **Website:** www.NETGEAR.com

This product comes with a limited warranty that is valid only if purchased from a NETGEAR authorized reseller, and covers unmodified hardware, fans and internal power supplies –not software or external power supplies, and requires product registration at <https://www.netgear.com/business/registration> within 90 days of purchase; see

<https://www.netgear.com/about/warranty> for details. Intended for indoor use only.

† NETGEAR #1 in US Market Share according to NPD data for Unmanaged and Plus Switches, September 2019. NETGEAR #1 in Europe Market Share according to Context data for Unmanaged and Plus Switches, September 2019. NETGEAR and the NETGEAR Logo are trademarks of NETGEAR, Inc. in the United States and/or other countries. Other brand names mentioned herein are for identification purposes only and may be trademarks of their respective holder(s). Information is subject to change without notice. ©NETGEAR, Inc. All Rights Reserved.

FAQ's

What is the purpose of the NETGEAR GS308E switch?

The NETGEAR GS308E is an 8-port Gigabit Ethernet Plus switch designed to expand wired network connections, providing faster data transfer speeds and improved network performance.

How do I set up the GS308E switch?

Setting up the GS308E switch is straightforward. Simply connect the Ethernet cables from your devices to the available ports on the switch. It does not require any configuration for basic operation.

Can I use the GS308E switch with a router or modem?

Yes, you can connect the GS308E switch to your router or modem to extend the number of available Ethernet ports for wired devices in your network.

Does the GS308E switch support Gigabit speeds on all ports?

Yes, all eight ports on the GS308E switch support Gigabit speeds (10/100/1000 Mbps), allowing for fast data transfers across connected devices.

Is the GS308E switch a managed switch?

Can I use the GS308E switch for video streaming and online gaming?

Absolutely! The Gigabit speeds and QoS support on the GS308E make it suitable for video streaming, online gaming, and other bandwidth-intensive applications.

How do I access the management features of the GS308E switch?

To access the management features, you can use the NETGEAR Plus Configuration Utility, a software application that allows you to configure VLANs and QoS settings on the switch.

Can I mount the GS308E switch on a wall or under a desk?

Yes, the GS308E comes with mounting holes that allow you to mount it on a wall or under a desk, making it convenient for different installation scenarios.

Does the GS308E switch support Quality of Service (QoS) settings?

Yes, the GS308E supports QoS settings, allowing you to prioritize certain types of network traffic to ensure smoother performance for specific applications or devices.

Is the GS308E switch fanless?

Yes, the GS308E switch is fanless, ensuring silent operation and making it suitable for noise-sensitive environments.

Can I use the GS308E switch for home or small office networks?

Absolutely! The GS308E is well-suited for both home and small office networks, providing reliable and efficient Ethernet connectivity.

Does the GS308E switch support Power over Ethernet (PoE)?

No, the GS308E does not support Power over Ethernet. It's a standard Gigabit Ethernet switch without PoE capabilities.

References: [NETGEAR GS308E 8-Port Gigabit Ethernet Plus Switch – Device.report](#)