NETGEAR GS308EPP

NETGEAR GS308EPP 8-Port PoE+ Gigabit Ethernet Smart Managed Switch User Manual

Model: GS308EPP

Brand: NETGEAR

1. INTRODUCTION

This manual provides detailed instructions for the NETGEAR GS308EPP 8-Port PoE+ Gigabit Ethernet Smart Managed Switch. This device features 8 PoE+ ports with a total power budget of 123W, designed to power various PoE applications such as VoIP phones, IP cameras for surveillance, and wireless access points. The GS308EPP also includes essential network management features to optimize business network performance.

2. SETUP

2.1. Package Contents

Verify that your package contains the following items:

- NETGEAR GS308EPP 8-Port Gigabit Ethernet High-power PoE+ Smart Managed Plus Switch
- Power Adapter (2V, 0.5A)
- Installation Guide

2.2. Physical Installation

The GS308EPP switch supports both desktop and wall-mount placement. Mounting hardware is included for wall installation.
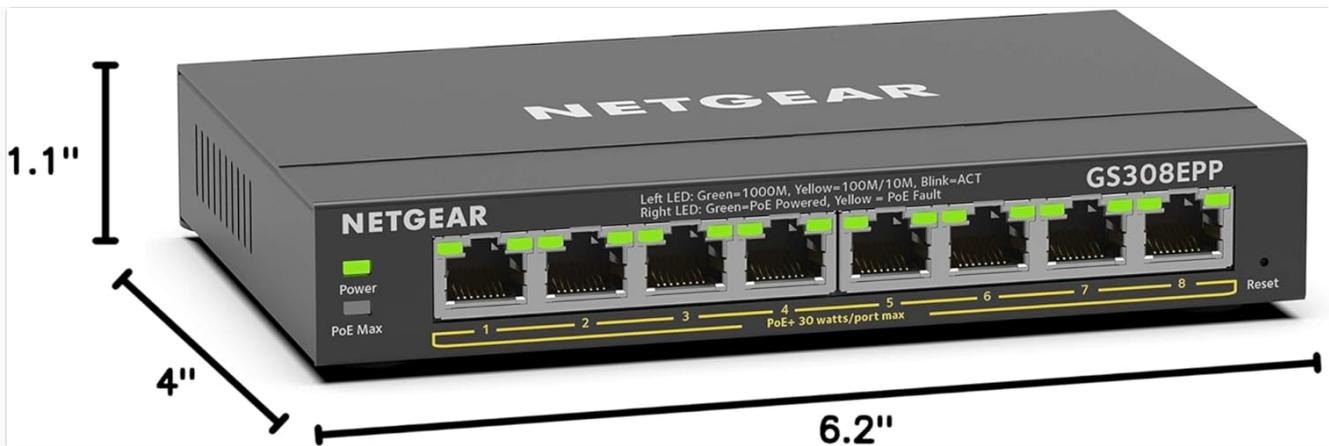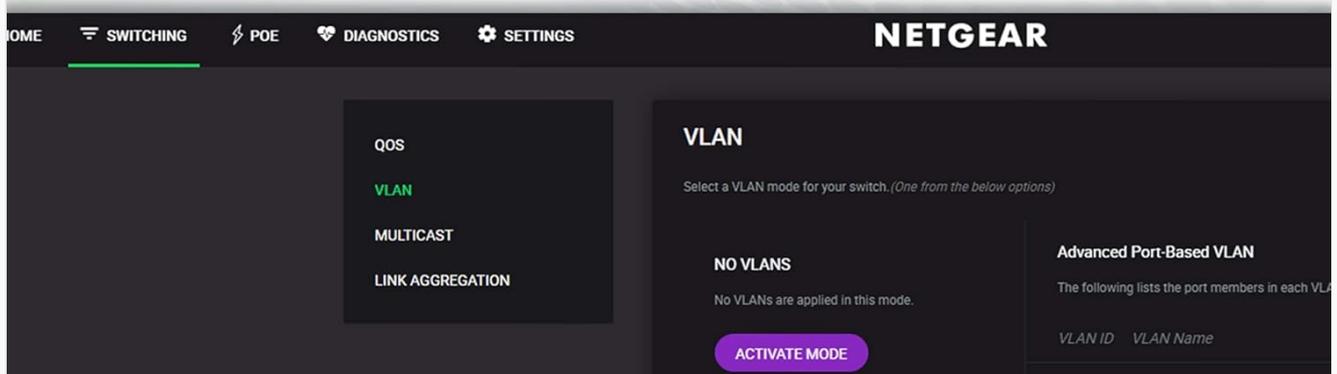
Figure 1: NETGEAR GS308EPP switch with dimensions. The device measures 1.1 inches in height, 6.2 inches in width, and 4.0 inches in depth.

2.3. Connecting Power

Connect the provided power adapter to the switch's power input port and then to a power outlet. The Power LED on the front of the switch will illuminate when power is supplied.

2.4. Connecting Network Devices

Connect your network devices (e.g., computers, IP cameras, wireless access points) to the Gigabit Ethernet ports on the front of the switch using standard Ethernet cables. The GS308EPP supports Power over Ethernet Plus (PoE+) on all 8 ports, providing both data and power to compatible devices.

Figure 3: Front view of the NETGEAR GS308EPP switch, displaying the 8 Gigabit Ethernet PoE+ ports and their corresponding LED indicators.

3. OPERATING THE SWITCH

3.1. LED Indicators

The switch features LED indicators to provide status information:

- **Left LED (Green)**: Indicates 1000M (Gigabit) connection.
- **Left LED (Yellow)**: Indicates 100M/10M connection.

- **Left LED (Blink)**: Indicates activity.
- **Right LED (Green)**: Indicates PoE Powered.
- **Right LED (Yellow)**: Indicates PoE Fault.

3.2. Smart Managed Features (Web GUI)

The GS308EPP is an Easy Smart Managed Essentials switch, offering a user-friendly web-based graphical user interface (GUI) for configuration, security, and network monitoring. Key features include:

- **Basic Management**: Intuitive GUI for easy setup.
- **VLAN Control**: Configure security and performance across multiple virtual networks.
- **Quality of Service (QoS)**: Prioritize traffic for audio, video, and file transfers.
- **Per-Port Priority Setting**: Adjust priority for VoIP, rate limiting, and VLANs.
- **PoE Control**: Allocate power levels per port within the total PoE budget, power cycle individual PoE ports, and maintain uninterrupted power during firmware updates or soft reboots.

Figure 4: Screenshot of the NETGEAR Smart Managed Web GUI, illustrating VLAN configuration options for network segmentation.

Figure 5: Overview of the NETGEAR GS308EPP switch's key features, including its 8 Gigabit Ethernet ports, 8 PoE+ ports with a 123W budget, silent operation, and flexible mounting options.

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Video 1: An official overview of NETGEAR Smart Managed Plus PoE 5 and 8 Port Ethernet Switches, demonstrating their features and capabilities for small to medium businesses.

4. MAINTENANCE

4.1. Firmware Updates

Regularly check for and apply firmware updates to ensure optimal performance, security, and access to the latest

features. Firmware updates can typically be performed via the web GUI, often requiring a download from the NETGEAR support website.

4.2. Factory Default Reset

To restore the switch to its factory default settings, access the 'Factory Default' option within the web GUI. This action will erase all custom configurations, including passwords, and revert the switch to its original state.

4.3. Configuration Backup and Restore

It is recommended to regularly back up your switch's configuration file. This allows you to quickly restore your settings, including passwords, port names, and IP addresses, in case of a reset or replacement.

5. TROUBLESHOOTING

5.1. Cable Test and Loop Detection

The web GUI provides diagnostic tools such as Cable Test and Loop Detection. These features help identify issues within your network cabling, such as cable faults or network loops that can cause performance degradation or outages.

5.2. Power and Connectivity Issues

If a device is not receiving power or data, check the following:

- Ensure the switch is powered on and the Power LED is illuminated.
- Verify that the Ethernet cable is securely connected to both the switch port and the device.
- Check the port's LED indicators for link status and activity. A yellow right LED indicates a PoE fault.
- Confirm that the connected device is PoE compatible and within the switch's PoE budget.

6. SPECIFICATIONS

Feature	Detail
Product Dimensions	6.2"L x 4"W x 1.1"H
Item Weight	3.15 Pounds
Voltage	2 Volts
Case Material	Plastic
Interface Type	PoE
Data Transfer Rate	1000 Megabits Per Second
Manufacturer	Netgear
UPC	606449153071
Item model number	GS308EPP-100NAS

Number of Ports	8
Included Components	8-port Gigabit Ethernet High-power PoE+ Smart Managed Plus Switch (GS308EPP), 2V, 0.5A power adapter, Installation guide
Color	Black
Compatible Devices	Desktop

7. WARRANTY AND SUPPORT

7.1. Product Warranty

The NETGEAR GS308EPP switch comes with an industry-leading 3-year limited hardware warranty. Please refer to the official NETGEAR website or your product documentation for full warranty terms and conditions.

7.2. Technical Support

For technical assistance, product registration, and additional resources, please visit the official NETGEAR support website. You can find drivers, firmware, and further documentation there.

Visit the NETGEAR Store for more information.