



More Capabilities beyond Plug-and-play Connectivity

Today's growing businesses are both placing more demands on and relying more on their network. Companies are putting more applications and demands on their Ethernet Infrastructure. Using VoIP phones and IP cameras require more than simple plug-and-play connectivity. Additionally, Internet-based applications such as Hotmail and Google Calendaring have made keeping the network up a business-critical need. However, companies do not necessarily have more money or advanced training to deal with complex managed switches. NETGEAR's new ProSafe Plus Switches meet this growing need by providing easy to use visibility and limited configuration capabilities. To provide more insight into the network behavior, ProSafe Plus Switches offer traffic monitoring for users to observe traffic behavior. Additionally, if there are connectivity issues, these switches offer a cable diagnostic test capability that can identify and even locate problems in the cables. To optimize traffic through the switches, ProSafe Plus Switches offer both port and tag-based prioritization to keep latency-sensitive traffic moving ahead of less critical packets. Also, as a means of improving security or managing collision domains, ProSafe Smart Switches offer VLAN technology. ProSafe Plus Switches offering these monitoring and configuration capabilities at a slight cost premium over unmanaged switches, delivering great value to the end user.

Additionally, furthering NETGEAR's support of the environment, ProSafe Plus Switches have power-saving Green Ethernet technology. The GS108PE switch comes in a sturdy metal case with a fan-less design for silent operation.

Features

- Gigabit speed with QoS, VLAN and network monitoring
- Simple network set-up on top of plug-and-play connectivity
- Power-over-Ethernet (PoE) support
- Detects loops and prevents broadcast storm
- NETGEAR Green, power saving features
- VLAN support for traffic separation
- Quality of Service (QoS) prioritizes traffic
- Auto denial-of-service (DoS) prevention
- Network monitoring and bandwidth control
- Troubleshoot connection issues via cable test
- Power up to 4 wireless access points or other PoE-capable devices
- Loop detection

ProSafe Plus

Quick
Configuration

NETGEAR Green

- Up to 60% lower power consumption than the non-Green version
- Auto power-down and cable-length detection for energy savings
- Packaging manufactured with at least 80% recycled materials

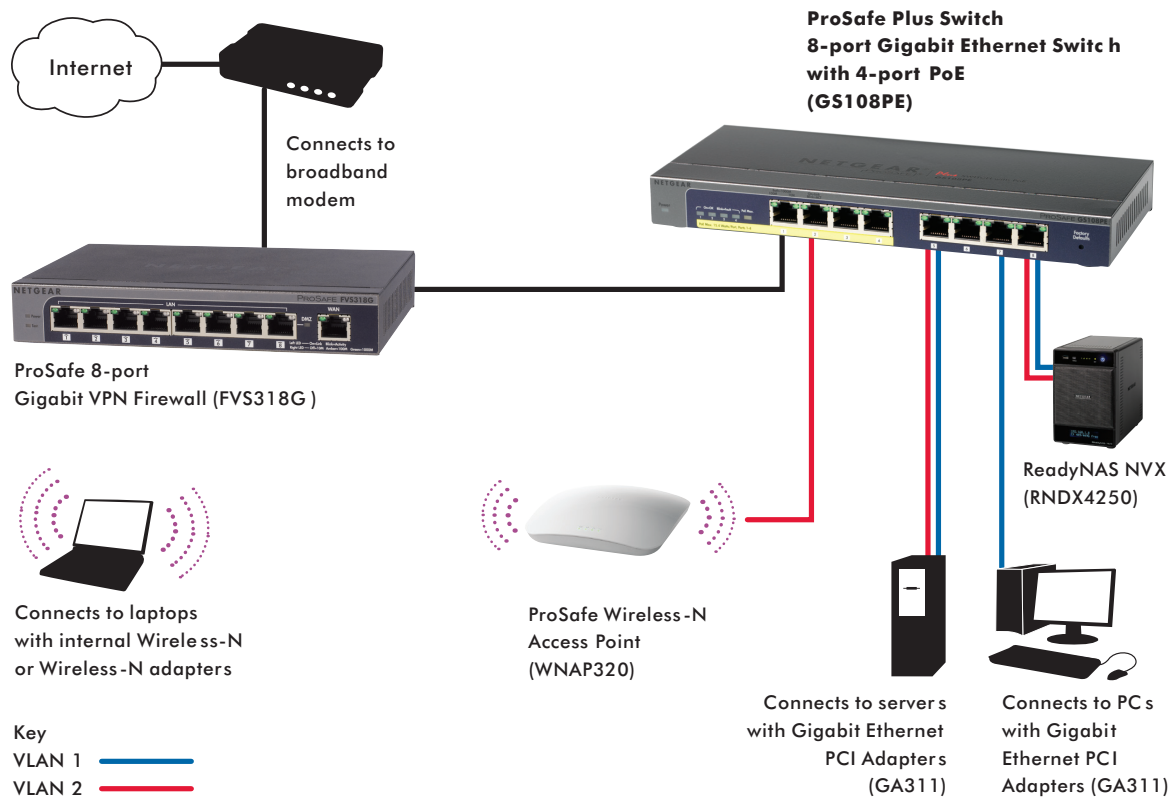
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The NETGEAR Difference

GS108PE

- ✓ Prioritize video/voice
- ✓ Monitor network traffic
- ✓ Create network groups
- ✓ Cable diagnostics
- ✓ Loop detection

Features	GS105	GS108	GS108P	GS105E	GS108E	GS108PE
10/100/1000 Mbps Ports	5	8	8	5	8	8
PoE Ports			4			4
Auto Uplink™	○	○	○	○	○	○
Divide Network into Groups (VLAN)				○	○	○
Set Traffic Priority (QoS)				○	○	○
Bandwidth Control				○	○	○
Auto DoS Prevention				○	○	○
Loop Detection				○	○	○
Warranty†	Lifetime	Lifetime	Lifetime	Lifetime	Lifetime	Lifetime



Technical Specifications

• Status LEDs

- System: Power, PoE maximum power
- Per Port: Link, activity, speed, PoE active, PoE fault

• Power Supply

- Total power consumption: 51.1W maximum
- 802.3af power consumption: 45W maximum (Ports 1- 4)
- 48V DC, 1.25A power output; plug is localized to country of sale

• Physical Specifications

- Dimensions (H x W x D): 27 x 235 x 103 mm (1.1 x 9.3 x 4.1 in)
- Weight: 0.716 kg (1.7 lb)
- Network Ports
- Eight (8) auto speed-sensing 10/100/1000 RJ-45 ports

• Network Protocol and Standards

- IEEE 802.3i 10BASE-T
- IEEE 802.3u 100BASE-TX
- IEEE 802.3ab 1000BASE-T Gigabit Ethernet
- IEEE 802.3x flow control
- IEEE 802.3af DTE Power via MDI

• Electromagnetic Emissions

- CE mark, commercial
- EN 55022 (CISPR 22) Class A
- FCC Part 15 Class A
- VCCI Class A
- C-Tick

• Environmental Specifications

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

• Safety

- CE/LVD EN 60950
- CB

• Performance Specifications

- Forwarding mode: Store-and-forward
- Queue Buffer Memory: 192 KB
- Bandwidth: 16 Gbps (non-blocking)
- Forwarding rate:
 - 10 Mbps port: 14,880 packets/sec,
 - 100 Mbps port: 148,800 packets/sec,
 - 1000 Mbps port: 1,488,000 packets/sec
- Latency: 1000 Mbps to 1000 Mbps: 2.7 μ s max.
- MAC address database: 4K

System Requirements

- Ethernet Category 5 cable
- Network card for each PC
- Microsoft® Windows® 7, Vista®, or XP for running Configuration Utility

Warranty

- Switch: NETGEAR Lifetime Warranty†
- Power Supply: NETGEAR 2-year Warranty

Package Contents

- ProSafe® Plus 8-port 10/100/1000 Gigabit Switch with 4-port PoE (GS108PE)
- AC adapter
- Wall-mount kit
- Resource CD with configuration utility software
- Installation guide

NETGEAR®

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This product comes with a limited warranty, the acceptance of which is a condition of sale. This product has been tested for quality assurance and this product or its components may have been recycled.

*Basic technical support provided for 90 days from date of purchase.

†Lifetime warranty for product purchased after 05/01/2007.