

More Control and Visibility beyond Plug-and-play Connectivity



Today's growing businesses demand and rely more on their network to carry out mission-critical business activities. Companies are putting more network traffic and applications on their Ethernet infrastructure. For example, the increasing deployments of VoIP phones and IP cameras require more than simple plug-and-play connectivity. It needs the network intelligence to separate the voice and video traffic from data, and prioritize them accordingly. 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 fundamental network features that will help optimize the performance of business networks. ProSafe Plus Switches also offer traffic monitoring for users to observe traffic behavior. If there are connectivity issues, these switches can identify and even locate connection problems via cable diagnostic test. 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, ProSafe Plus Switches offer port and 802.1Q-based VLAN as a means of improving security and network performance. ProSafe Plus Switches are an upgrade from the plug-and-play Unmanaged Switch, delivering great value for empowering your network, delivering great value to the end user.

Features

- ProSafe Plus Switch delivers network monitoring, traffic prioritization and VLAN
- 16 ports deliver up to 2000 Mbps of dedicated, non-blocking bandwidth per port
- Simple, yet useful network set-up on top of plug-and-play connectivity
- Gigabit speed with QoS, VLAN and network monitoring
- 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 prevention and broadcast storm controls
- IGMP snooping for multicast optimization
- Rate limiting for better bandwidth allocation
- Port mirroring for network monitoring
- Jumbo frame support

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

24/7

TECHNICAL SUPPORT*

*Basic technical support free for 90 days only

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Features	GS105	GS108	GS108P	GS105E	GS108E	GS108PE	GS116	GS116E
10/100/1000 Mbps Ports	5	8	8	5	8	8	16	16
PoE ports			4			4		
Divide Network into Groups (VLAN)				⊙	⊙	⊙		⊙
Set Traffic Priority (QoS)				⊙	⊙	⊙		⊙
Bandwidth Control				⊙	⊙	⊙		⊙
Auto DoS Prevention				⊙	⊙	⊙		⊙
Loop Detection				⊙	⊙	⊙		⊙
Cable Test				⊙	⊙	⊙		⊙
IGMP Snooping				⊙	⊙	⊙		⊙
Warranty ¹	Lifetime	Lifetime	Lifetime	Lifetime	Lifetime	Lifetime	Lifetime	Lifetime

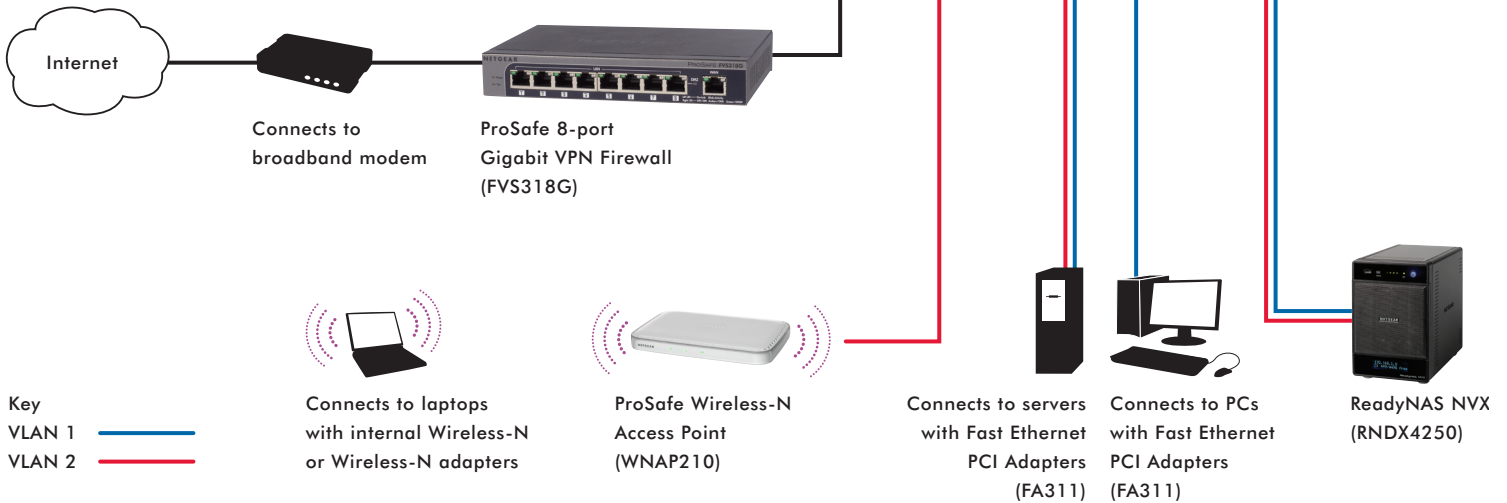
Backed by a lifetime hardware warranty, NETGEAR's ProSafe line of business networking products offers a wide array of easy-to-use, professional-grade switching, wireless, software and security solutions.

The NETGEAR Difference

GS116E

- ✓ Configurable with simple setup
- ✓ Prioritize video/voice
- ✓ Monitor network traffic
- ✓ Create network groups
- ✓ Green Ethernet for power savings

**ProSafe Plus Switch
16-port Gigabit Ethernet
(GS116E)**



System Requirements

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

Technical Specifications**• Standards Compliance**

- IEEE® 802.3i 10BASE-T Ethernet
- IEEE 802.3u 100BASE-TX Fast Ethernet
- IEEE 802.3z 1000BASE-T Gigabit Ethernet
- IEEE 802.3x flow control
- Compatible with all major network software

• Network Ports

- Sixteen (16) 10/100/1000 Mbps Ethernet RJ-45 ports

• AC Power

- 12V, 1.5A power adapter, localized to country of sale

• Physical Specifications

- Dimensions (h x w x d):
27 x 287 x 103 mm
(1.1 x 11.3 x 4.1 in)
- Weight: 0.81 kg (1.79 lb)

• Switch Environmental Specifications

- Operating temperature: 32° to 122° F (0° to 50° C)
- Operating humidity: 90% maximum relative humidity, non-condensing

• Electromagnetic Compliance

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

• Safety Agency Approvals

- CE/LVD, EN 60950, CB, CCC

Package Contents

- ProSafe® Plus Switch, 16-port Gigabit Ethernet (GS116E)
- Wall-mount kit
- AC Power Adapter
- Quick Install Guide
- Installation CD with Configuration Utility software

Warranty

- NETGEAR Lifetime Warranty[‡]

NETGEAR®

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This product is packaged 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. This product has been tested for quality assurance and this product or its components may have been recycled.

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

¹ Maximum power savings when compared to the equivalent NETGEAR Unmanaged product.