NETGEAR®

ProSAFE® 5-port and 8-port Gigabit Switches

Data Sheet

GS105 and GS108



GS105/GS108

Instant Connectivity with Reliable Performance

The NETGEAR® ProSAFE® Gigabit Unmanaged Switch series helps businesses cost-effectively expand their network to Gigabit speeds and higher port counts. The GS105 and GS108 Gigabit Ethernet switches come with 5 and 8 Gigabit copper ports in a desktop metal case and is wall-mountable. These switches are energy efficient, built to last, and rigorously tested to provide the reliability businesses need. 802.1p traffic prioritization and jumbo frame support allow for seamless integration with more sophisticated networks.

Highlights

Plug and Play

- The standards-based ProSAFE Gigabit switches senses and adjusts for network speed and cabling type automatically. Easily integrates into your existing Ethernet network - no matter if it is running at 10/100Mbps or Gigabit speed
- Simple set up with no software or configuration needed
- Front panel LEDs keep you informed of power status, link speed and link activities

Traffic Prioritization

- Prioritize mission-critical applications such as voice and video Support IEEE 802.1 p and DSCP-based QoS for delivering data based on priority and type

High Quality and Reliable Performance

- Superior network performance at non-blocking rate delivers true Gigabit speed with no compromise
- Durable metal case and long product life (shown by MTBF numbers)

Lifetime Warranty*

- Industry's leading lifetime warranty, not only on hardware but also include lifetime online support as well as next-business day (NBD) replacement support, providing customers peace-of-mind using NETGEAR switches in their network.

Energy Efficient

- Both GS105 and GS108 support the latest Energy Efficient Ethernet (IEEE 802.3az) standard, which reduces energy consumption when there is light traffic on an active ports or when there is no link or no activity detected. It can further save energy when a short cable (<100m) is used. Energy savings lead directly to cost savings in operation.

Page 2	Hardware at a glance
Page 2	Network application
Page 3- 5	Technical specifications
Page 5	Ordering information

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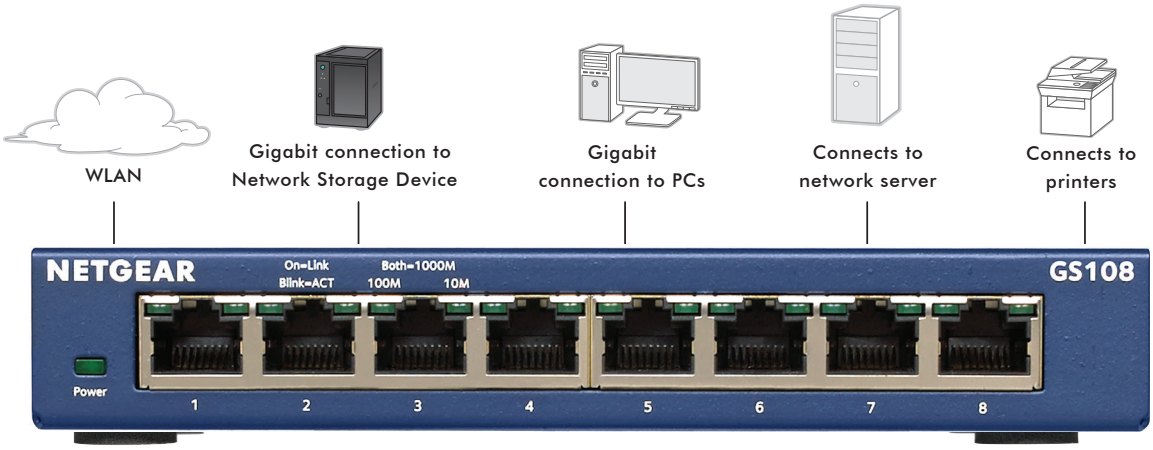
Data Sheet

GS105 and GS108

Hardware at a Glance

		FRONT		REAR	
Model name	Form-Factor	10/100/1000 Base-T RJ45 ports	PoE 802.3af	Power Supply	PoE budget
GS105	Desktop	5	N/A	External Power Adapter, 12V/0.5A	N/A
GS108	Desktop	8	N/A	External Power Adapter, 12V/0.5A	N/A

SOHO Network Application



Why the NETGEAR Gigabit Ethernet Switch is ideal for SOHO Networks

- Superior Performance
- High Quality and Reliability
- Prioritize voice and video traffic
- Lifetime Warranty* plus lifetime online support and lifetime Next Business Day (NBD) replacement

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Data Sheet

GS105 and GS108

Technical Specifications

Product	GS105v5	GS108v4
PRODUCT SPECIFICATIONS		
Gigabit ports	5	8
Max MAC entries	2K	4K
Buffer size	128KB	192KB
Energy Efficient Enthernet (IEEE 802.3az complaint)	Yes	
PERFORMANCE SPECIFICATION		
Forwarding modes	Store-and-forward	
Bandwidth	10 Gbps	16 Gbps
Jumbo frame support	up to 9K packet size	
Acoustic noise (ANSI-S10.12)	0	0
Mean Time Between Failures (MTBF)	3,197,945	9,727,733
QUALITY OF SERVICE (QOS)		
DSCP	Yes	
IEEE 802.1p COS	Yes	
WRED (Weighted Deficit Round Robin)	Yes	
Queue WRR Ratio	1:2:4:8	
IEEE NETWORK PROTOCOLS		
IEEE 802.3 Ethernet	IEEE 802.1p Class of Service	
IEEE 802.3ab 1000BASE-T	IEEE 802.3x full-duplex flow control	
MISCELLANEOUS FEATURES		
IEEE 802.3AZ (Energy Efficient Ethernet)	Yes	

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Product	GS105v5	GS108v4
LEDs		
Per port	Speed, Link, Activity	
Per device	Power Status	
PHYSICAL SPECIFICATIONS		
Dimensions	94 x 100 x 27 mm (3.7 x 3.9 x 1.1 in)	158 x 102 x 27 mm (6.2 x 4.0 x 1.1 in)
Weight	0.26 kg (0.57 lb)	0.47 kg (1.04 lb)
Power Consumption (when all ports used, line-rate traffic and max PoE)		
Worst case, all ports used, line-rate traffic, max PoE	2.7w	4.92w
ENVIRONMENTAL SPECIFICATIONS		
Operating		
Operating Temperature	32° to 122°F (0° to 50°C)	32° to 104°F (0° to 40°C)
Humidity	90% maximum relative humidity, non-condensing	
Altitude	10,000 ft (3,000 m) maximum	
Storage		
Storage Temperature	– 4° to 158°F (–20° to 70°C)	
Humidity	95% maximum relative humidity, non-condensing	
Altitude	10,000 ft (3,000 m) maximum	
Electromagnetic Emissions and Immunity		
Certifications Class (including but not limited to CE mark, commercial, FCC Part 15, VCCI, EN55022 (CISPR 22), C-Tick, EN50082-1, EN55024, CCC)	B	B
Safety		
Certifications	CE mark, commercial	
	CSA certified (CSA 22.2 #950)	
	UL listed (UL 1950)/cUL IEC 950/EN 60950	

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Product	GS105v5	GS108v4
WARRANTY AND SUPPORT*		
Hardware Warranty	Lifetime on switch and 2-year on power adapter	
Live Chat Support	Lifetime	
Next Business Day Replacement	Lifetime	

Ordering Information

PACKAGE CONTENT	
All models	ProSAFE® Gigabit Ethernet Switch
	Power adapter
	Wall-mount kit and rubber feet
	Quick Install Guide
ORDERING INFORMATION	
GS105NA	North America and Latin America
GS105GE	Europe
GS105AU	Australia
GS105UK	United Kingdom
GS105-500JPS	Japan
GS108-400NAS	North America and Latin America
GS108GE	Europe
GS108AU	Australia
GS108UK	United Kingdom
GS108-400JPS	Japan

* This product comes with a limited warranty that is valid only if purchased from a NETGEAR authorized reseller, and modifications to product may void the warranty; covers hardware, fans, and internal power supplies—not software or external power supplies; see http://www.netgear.com/about/warranty/ for details. Lifetime technical support includes basic phone support for 90 days from purchase date and lifetime online chat support when purchased from a NETGEAR authorized reseller.

† NETGEAR #1 in US Market Share according to NPD data for Unmanaged and Web/Smart Switches, April 2015.

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