5-port and 8-port Gigabit Switches

Data Sheet

GS105, GS108, GS108PP





GS105/GS108/GS108PP

Instant Connectivity with Reliable Performance

The NETGEAR® Gigabit Unmanaged Switch series helps businesses cost-effectively expand their network to Gigabit speeds and higher port counts. The GS105, GS108, and GS108PP Gigabit Ethernet switches come with 5 and 8 Gigabit copper ports in a desktop metal case and are 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 Gigabit switches sense and adjust for network speed and cabling type automatically. Easily integrate 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)

Energy Efficient

• GS105, GS108, and GS108PP support the latest Energy Efficient Ethernet (IEEE 802.3az) standard, which reduces energy consumption when there is light traffic on an active port 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.

PoE/PoE+ Support

• The GS108PP is a PoE/PoE+ switch that supports PoE 802.3af and PoE+ 802.3at on all 8 ports. The total max PoE budget for GS108PP is 123W.

Lifetime Warranty*

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







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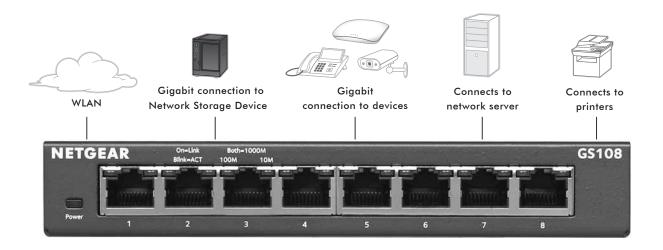
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GS105, GS108, GS108PP

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, wall mount	5	N/A	External Power Adapter, 12V/0.5A	N/A
GS108	Desktop, wall mount	8	N/A	External Power Adapter, 12V/0.5A	N/A
GS108PP	Desktop, wall & rack mount	8	Supports PoE 802.3af and PoE+ 802.3at	External Power Adapter, 54V/2.4A	123W

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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Technical Specifications

Signate Sign	Product	GS105v5	GS108v4	GS108PP	
Max MAC entries	PRODUCT SPECIFICATIONS				
Buffer size	Gigabit ports	5	8	8	
Procession	Max MAC entries	2K	4K	4K	
	Buffer size	128KB	192KB	192KB	
Note	Energy Efficient Enthernet (IEEE 802.3az complaint)		Yes	Yes	
802.3at PoE Ports	POE SUPPORT				
POE Max Power Per Port N/A N/A Up to 15.4w for 802.3af and 30W for 802.3af and 40B for 800.3af and 40B for 800.3af and 40B for 800.3af and 40B for 800.3af f	802.3af PoE Ports	N/A	N/A	Ports 1-8	
Total PoE Power Budget N/A N/A 123W PERFORMANCE SPECIFICATION Forwarding modes Store-and-forward Bandwidth 10 Gbps 16 Gbps 16 Gbps Jumbo frame support Up to 9K packet size Acoustic noise (ANSI-S10.12) 0 0 0 0 QUALITY OF SERVICE (QOS) DSCP Yes JEEE 802.1p COS Yes Queue WRR Ratio 1:2:4:8 1:3:5:7:8:10:12:15 Weighted Fair Queue (WFQ) IEEE 802.3 Ethernet IEEE 802.1p Class of Service IEEE 802.3ab 1000BASE-T IEEE 802.3ax full-duplex flow control MISCELLANEOUS FEATURES JEEE 802.3AZ (Energy Efficient Ethernet) Yes LEDS Per port Speed, Link, Activity Speed, Link, Activity Speed, Link, Activity, PoE Per device Power Status Power Status Power Status, Po EMAX PHYSICAL SPECIFICATIONS Dimensions 94 x 100 x 27 mm (3.7 x 3.9 158 x 102 x 27 mm (6.2 x 4.0 236 x 102 x 27 mm (9.29 x 4.02 x 1.06 in)	802.3at PoE Ports	N/A	N/A	Ports 1-8	
PERFORMANCE SPECIFICATION Forwarding modes Bandwidth 10 Gbps 16 Gbps 10	PoE Max Power Per Port	N/A	N/A		
Bandwidth 10 Gbps 16 Gbps 17 G	Total PoE Power Budget	N/A	N/A	123W	
Bandwidth	PERFORMANCE SPECIFICATION				
Up to 9K packet size	Forwarding modes		Store-and-forward		
Acoustic noise (ANSI-S10.12) 0 0 0 0 Mean Time Between Failures (MTBF) 3,197,945 9,727,733 2,752,476 QUALITY OF SERVICE (QOS) DSCP Yes IEEE 802.1p COS Yes Queue WRR Ratio 1:2:4:8 1:2:4:8 1:3:5:7:8:10:12:15 Weighted Fair Queue (WFQ) 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 LEDS Per port Speed, Link, Activity Speed, Link, Activity Speed, Link, Activity, PoE Per device Power Status Power Status Power Status, Power Status, PoE Max PHYSICAL SPECIFICATIONS Dimensions 94 x 100 x 27 mm (3.7 x 3.9 x 1.1 in) 2.3 x 1.0 x 2.7 mm (6.2 x 4.0 x 2.0 x 1.0 x 2.7 mm (9.29 x 4.02 x 1.06 in)	Bandwidth	10 Gbps	16 Gbps	16 Gbps	
Mean Time Between Failures (MTBF) 3,197,945 9,727,733 2,752,476 QUALITY OF SERVICE (QOS) DSCP Yes IEEE 802.1p COS Yes Queue WRR Ratio 1:2:4:8 1:3:5:7:8:10:12:15 Weighted Fair Queue (WFQ) IEEE 802.3 Ethernet 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 LEDs Per port Speed, Link, Activity Speed, Link, Activity, PoE Per device Power Status Power Status Power Status, PoE Max 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 2.0 x 1.06 in) 236x 102x x27 mm (9.29x 4.02x 1.06 in)	Jumbo frame support	Up to 9K packet size			
QUALITY OF SERVICE (QOS) DSCP Yes IEEE 802.1p COS Yes Queue WRR Ratio 1:2:4:8 1:2:4:8 1:3:5:7:8:10:12:15 Weighted Fair Queue (WFQ) 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 LEDs Per port Speed, Link, Activity Speed, Link, Activity, PoE Per device Power Status Power Status Power Status, PoE Max 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 1.0 in) 236x 102x x 27 mm (9.29x 4.02x 1.06 in)	Acoustic noise (ANSI-S10.12)	0	0	0	
DSCP IEEE 802.1p COS Queue WRR Ratio 1:2:4:8 1:2:4:8 1:2:4:8 1:2:4:8 1:3:5:7:8:10:12:15 Weighted Fair Queue (WFQ) 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 LEDS Per port Speed, Link, Activity Speed, Link, Activity Speed, Link, Activity Per device Power Status Power Status Power Status, PoE Max 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 236x 102x x27mm (9.29x 4.02x 1.06 in)	Mean Time Between Failures (MTBF)	3,197,945	9,727,733	2,752,476	
IEEE 802.1p COS Queue WRR Ratio 1:2:4:8 1:2:4:8 1:2:4:8 IEEE NETWORK PROTOCOLS IEEE 802.3 Ethernet IEEE 802.1p Class of Service IEEE 802.3x full-duplex flow control MISCELL ANEOUS FEATURES IEEE 802.3AZ (Energy Efficient Ethernet) Per port Speed, Link, Activity Per device Power Status Power Status Power Status Power Status Power Status Power Status Power Status, PoE Max PHYSICAL SPECIFICATIONS Dimensions 1:2:4:8 1:2:4:8 1:2:4:8 LEEE 802.1p Class of Service IEEE 802.1p Class of Service IEEE 802.3x full-duplex flow control Yes Speed, Link, Activity Yes 1:2:4:8 1:3:5:7:8:10:12:15 Weighted Fair Queue (WFQ)	QUALITY OF SERVICE (QOS)				
Queue WRR Ratio 1:2:4:8 1:2:4:8 1:2:4:8 1:3:5:7:8:10:12:15 Weighted Fair Queue (WFQ) IEEE NETWORK PROTOCOLS IEEE 802.3 Ethernet IEEE 802.3 Ethernet IEEE 802.3 Full-duplex flow control MISCELLANEOUS FEATURES IEEE 802.3AZ (Energy Efficient Ethernet) Yes LEDS Per port Speed, Link, Activity Speed, Link, Activity Speed, Link, Activity, PoE Per device Power Status Power Status Power Status, PoE Max PHYSICAL SPECIFICATIONS Dimensions 1:2:4:8 1:3:5:7:8:10:12:15 Weighted Fair Queue (WFQ) Weighted Fair Queue (WFQ) 1:3:5:7:8:10:12:15 Weighted Fair Queue (WFQ) 1:3:5:7:8:10:12:15 Weighted Fair Queue (WFQ) 1:3:5:7:8:10:12:15 Weighted Fair Queue (WFQ)	DSCP		Yes		
IEEE NETWORK PROTOCOLS IEEE NETWORK PROTOCOLS IEEE 802.3 Ethernet	IEEE 802.1p COS	Yes			
IEEE 802.3 Ethernet IEEE 802.3 Ethernet IEEE 802.3 Full-duplex flow control MISCELL ANEOUS FEATURES IEEE 802.3 AZ (Energy Efficient Ethernet) Yes LEDs Per port Speed, Link, Activity Per device Power Status	Queue WRR Ratio	1:2:4:8	1:2:4:8		
IEEE 802.3ab 1000BASE-T MISCELLANEOUS FEATURES IEEE 802.3AZ (Energy Efficient Ethernet) Yes LEDs Per port Speed, Link, Activity Per device Power Status Power Status Power Status Power Status, PoE Max 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 236x 102x x27mm (9.29x 4.02x 1.06 in)	IEEE NETWORK PROTOCOLS				
MISCELLANEOUS FEATURES IEEE 802.3AZ (Energy Efficient Ethernet) Yes LEDs Per port Speed, Link, Activity Speed, Link, Activity Speed, Link, Activity Power Status Power Status Power Status Power Status Power Status Power Status Power Status, PoE Max 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 236x 102 x 27 mm (9.29x 4.02x 1.06 in)	IEEE 802.3 Ethernet	IEEE 802.1p Class of Service			
IEEE 802.3AZ (Energy Efficient Ethernet) Yes LEDs Speed, Link, Activity Speed, Link, Activity Speed, Link, Activity Speed, Link, Activity, PoE Per device Power Status Power Status Power Status, PoE Max 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) 236x 102x x27mm (9.29x 4.02x 1.06 in)	IEEE 802.3ab 1000BASE-T	IEEE 802.3x full-duplex flow control			
Per port Speed, Link, Activity Speed, Link, Activity Speed, Link, Activity, PoE Per device Power Status Power Status Power Status, PoE Max 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) 236x 102x x27mm (9.29x 4.02x 1.06 in)	MISCELLANEOUS FEATURES				
Per port Speed, Link, Activity Speed, Link, Activity Speed, Link, Activity, PoE Per device Power Status Power Status Power Status, PoE Max 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) 236x 102x x 27 mm (9.29x 4.02x 1.06 in)	IEEE 802.3AZ (Energy Efficient Ethernet)	Yes			
Per device Power Status Power Status Power Status, PoE Max 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) 236x 102x x27mm (9.29x 4.02x 1.06 in)	LEDs				
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) 236x 102x x27mm (9.29x 4.02x 1.06 in)	Per port	Speed, Link, Activity	Speed, Link, Activity	Speed, Link, Activity, PoE	
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 2.7 mm (9.29x 4.02x 1.06 in)	Per device	Power Status	Power Status	Power Status, PoE Max	
x 1.1 in) x 1.1 in) (9.29x 4.02x 1.06 in)	PHYSICAL SPECIFICATIONS				
Weight 0.26 kg (0.57 lb) 0.47 kg (1.04 lb) 0.59 kg (1.30 lb)	Dimensions				
	Weight	0.26 kg (0.57 lb)	0.47 kg (1.04 lb)	0.59 kg (1.30 lb)	

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Product	GS105v5	GS108v4	GS108PP	
Power Consumption (when all ports used, lir	ne-rate traffic and max PoE)			
Worst case, all ports used, line-rate traffic, max PoE	2.7w	4.92w	128.6 W	
ENVIRONMENTAL SPECIFICATIONS				
Operating				
Operating Temperature	32° to 122°F (0° to 50°C)	32° to 104°F (0° to 40°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	B (CE mark, FCC Part 15, ICES-003, VCCI, RCM)	B (CE mark, FCC Part 15, ICES-003, VCCI, RCM)	A (CE mark, FCC Part 15, ICES- 003, VCCI, RCM, BSMI, KC)	
Safety				
Certifications	СВ	CE LVD	CB, CE LVD, BSMI, EAC, RCM and KC	
	EN 60950-1			
WARRANTY AND SUPPORT*				
Hardware Warranty	Lifetime on switch and 2-year on power adapter			
Live Chat Support	Lifetime			
Next Business Day Replacement	Lifetime			

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Ordering Information

PACKAGE CONTENT		
All models	Gigabit Ethernet Switch	
	Power adapter	
	Wall-mount kit and rubber feet Rack-mount kit (GS108PP only)	
	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	
GS108PP-100NA	North America and Latin America	
GS108PP-100EU	Europe	
GS108PP-100AJS	Australia and Japan	

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^{*} 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, July 2017.