



GS105v5, GS108v4, and GS116v2

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 GS105v5, GS108v4, and GS116v2 Gigabit Ethernet switches come with 5, 8, and 16 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 802.1p 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
- Fits neatly into small workplaces, desktop or wall-mountable

Energy Efficient

- GS105v5, GS108v4, and GS116v2 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.
- Silent, fanless design for energy efficiency and noise-sensitive environments

Supports all types of Networks

- Each port delivers up to 2000Mbps of network speed (full duplex)
- Supports jumbo frames up to 9K packets size on GS105v5 and GS116v2, up to 9,270 bytes on GS108v4
- Honors TOS/802.1p prioritization

Lifetime Warranty*

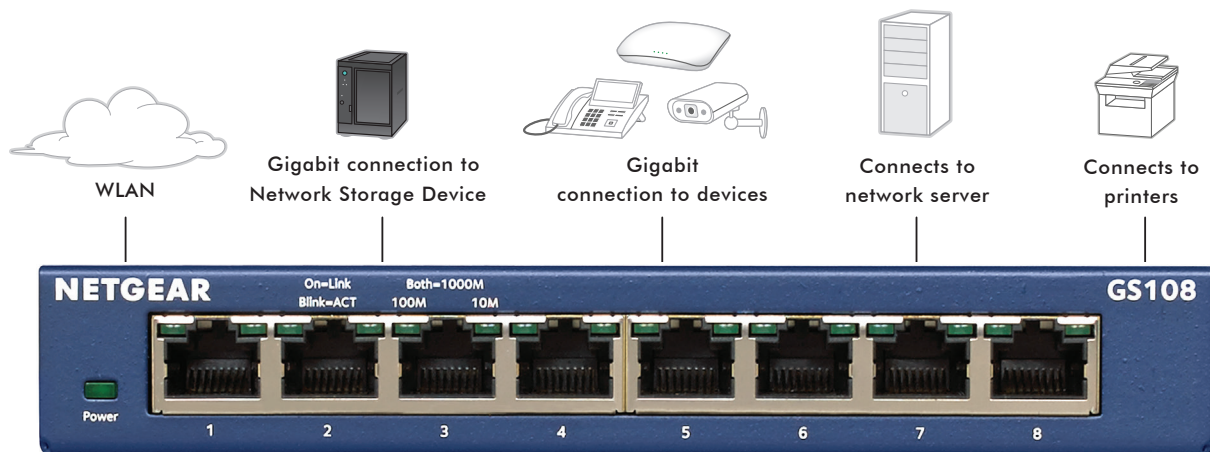
- Industry-leading lifetime limited warranty* including Next Business Day (NBD) replacement, and lifetime online chat support provides customers peace-of-mind using NETGEAR switches in their network.



Hardware at a Glance

| | | FRONT | REAR |
|------------|---------------------|----------------------------------|-------------------------------------------|
| Model Name | Form-Factor | 10/100/1000 Base-T RJ45 ports | Power Supply |
| GS105v5 | Desktop, wall mount | 5 | External Power Adapter, 12V DC, 0.5A (6W) |
| GS108v4 | Desktop, wall mount | 8 | External Power Adapter, 12V DC, 0.5A (6W) |
| GS116v2 | Desktop, wall mount | 16 | External Power Adapter, 12V DC, 1A (12W) |

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
- Compact form-factor
- Fanless, silent and energy-efficient operation
- Lifetime Warranty* plus lifetime online support and lifetime Next Business Day (NBD) replacement

Technical Specifications

| Product | GS105v5 | GS108v4 | GS116v2 |
|------------------------------------------------------------|------------------------------------------|-------------------------------------------|--------------------------------------------|
| PRODUCT SPECIFICATIONS | | | |
| Gigabit ports | 5 | 8 | 16 |
| Max MAC entries | 2K | 4K | 8K |
| Buffer size | 128KB | 192KB | 256KB |
| Energy Efficient Ethernet (IEEE 802.3az compliant) | Yes | | |
| PERFORMANCE SPECIFICATION | | | |
| Forwarding modes | Store-and-forward | | |
| Bandwidth | 10 Gbps | 16 Gbps | 32 Gbps |
| Jumbo frame support (packet size) | Up to 9K bytes | Up to 9,720 bytes | Up to 9K bytes |
| Acoustic noise (ANSI-S10.12) | 0 dBA (fanless) | | |
| Mean Time Between Failures (MTBF) | 3,197,945 hrs (52 yrs) | 9,727,733 hrs (158 yrs) | 554,582 hrs (9 yrs) |
| QUALITY OF SERVICE (QOS) | | | |
| DSCP | Yes | | |
| IEEE 802.1p COS | 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 | | |
| LEDs | | | |
| Per port | Speed, Link, Activity | Speed, Link, Activity | Speed, Link, Activity |
| Per device | Power Status | Power Status | Power Status |
| PHYSICAL SPECIFICATIONS | | | |
| Dimensions (W x D x H) | 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) | 286 x 100 x 27 mm (11.3 x 3.9 x 1.1 in) |
| Weight | 0.26 kg (0.57 lb) | 0.47 kg (1.04 lb) | 0.9 kg (1.98 lb) |
| POWER SPECIFICATIONS | | | |
| Power Consumption (when all ports used, line-rate traffic) | 2.7W | 4.9W | 9.5W |

| Product | GS105v5 | GS108v4 | GS116v2 |
|----------------------------------------|--------------------------------------------------|---------------------------------------------------|------------------------------------------------------------|
| ENVIRONMENTAL SPECIFICATIONS | | | |
| Operating | | | |
| Operating Temperature | 32° to 122°F (0° to 50°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, FCC Part 15, ICES-003, VCCI, RCM, CCC) | B (CE, FCC Part 15, ICES-003, VCCI, RCM, BSMI) | A (CE, FCC Part 15, ICES-003, VCCI, RCM, VCCI, KC, CCC) |
| Safety Certifications | CB, CCC, EAC | CE LVD, EAC | CB, CE LVD, CCC, EAC |
| WARRANTY AND SUPPORT* | | | |
| Hardware Warranty | Lifetime (switch); 2-years (power adapter) | | |
| Online Chat Support | Lifetime | | |
| Next Business Day Replacement | Lifetime | | |
| Technical support (online, phone) | 90 days free from date of purchase* | | |
| ProSUPPORT OnCall 24x7 Service Plans | PMBOS11 (1 yr) | PMBOS11 (1 yr) | PMBOS12 (1 yr) |
| | PMBOS31 (3 yrs) | PMBOS31 (3 yrs) | PMBOS32 (3 yrs) |
| | PMBOS51 (5 yrs) | PMBOS51 (5 yrs) | PMBOS52 (5 yrs) |

Ordering Information

| PACKAGE CONTENT | |
|----------------------|----------------------------------------------|
| All models | Gigabit Ethernet Switch |
| | Power adapter (localized to country of sale) |
| | 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 |
| GS116NA | North America and Latin America |
| GS116GE | Europe |
| GS116AU | Australia |
| GS116UK | United Kingdom |
| GS116-200JPS | Japan |

| PROSUPPORT EXTENDED SUPPORT CONTRACTS | |
|---------------------------------------|-----------------------------------|
| GS105v5 and GS108v4: (Category S1) | |
| PMBOS11-10000S | 1-Year OnCall 24x7 Support Plan** |
| PMBOS31-10000S | 3-Year OnCall 24x7 Support Plan** |
| PMBOS51-10000S | 5-Year OnCall 24x7 Support Plan** |
| GS116v2: (Category S2) | |
| PMBOS12-10000S | 1-Year OnCall 24x7 Support Plan** |
| PMBOS32-10000S | 3-Year OnCall 24x7 Support Plan** |
| PMBOS52-10000S | 5-Year OnCall 24x7 Support Plan** |

* 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.

** The NETGEAR OnCall 24x7 contract provides unlimited phone and email technical support for your networking product. For ProSAFE products purchased prior to 06/2014, also includes Next Business Day (NBD) hardware replacement.

† NETGEAR #1 in US Market Share according to NPD data for Unmanaged and Web/Smart Switches, August, 2018.

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