

Gigabit Power, 10/100 Simplicity



For a high-speed network on a small scale, nothing delivers likes these compact powerhouses. Equipped with up to eight auto-sensing 10/100/1000 Mbps UTP ports, these affordable switches give your network the capacity to handle huge workloads. If your network is configured to support jumbo frames, ProSafe GS100 switches will forward them, as well as honoring priority tags at both the layer 2 and layer 3 level. This means they moves very large files across your network instantly, and keep the high priority traffic moving. Packed with ease-of-use features to simplify your networking experience, its trim design makes it an easy fit for a desk or mounted on a wall. The durable metal chassis protects interior working parts and the fan-less design results in silent operation. Matched with NETGEAR's thorough testing, the ProSafe GS100 switches provide long-lasting performance you can count on.

Potent

Moves huge files fast! Features up to eight high-speed, auto-switching 10/100/1000 Mbps Ethernet connections. And because Gigabit Ethernet is a full duplex standard, you get up to 2000 Mbps on each port. The GS100 Series provides jumbo frame support up to 9,000 byte frames.

Capable

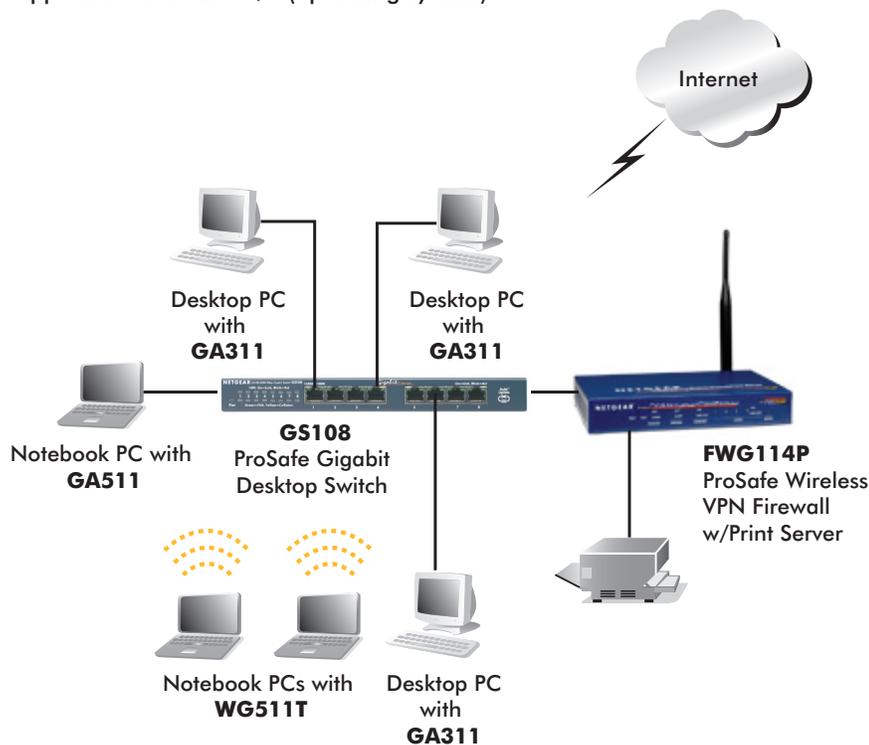
Integrates 10-, 100-, and 1000-Mbps devices on the same network. Every port automatically senses the right speed and full/half duplex mode, and Auto Uplink™ technology automatically adjusts for straight-through or crossover cables.

Trim

Sized to save space, this sturdy metal switch is compact and fits easily on a desk or mounts on a wall, making it ideal for home and small office environments.

Easygoing

LEDs embedded in RJ-45 jacks make for easy monitoring. Provides noiseless operation. Supports PC or Mac® O/S (operating system).



Technical Specifications**• Network Ports**

- GS105: 5 auto-sensing UTP ports
- GS108: 8 auto-sensing UTP ports

• Forwarding Mode

- Store-and-forward
- 128K on-chip packet buffering

• Performance

- Bandwidth:
 - GS105: 10 Gbps (non-blocking)
 - GS108: 16 Gbps (non-blocking)
- Forward rate (10 Mbps port): 14,800 packets/sec
- Forward rate (100 Mbps port): 148,000 packets/sec
- Forward rate (1000 Mbps port): 1,480,000 packets/sec
- Network latency (100 to 100 Mbps): 20 μs (max)
- Network latency (1000 to 1000 Mbps): 10 μs (max)
- Queue buffer memory: 12 kbytes per port
- MAC address database: 4,000
- Mean time between failure (MTBF): 91,500 hours (~10 years)

• Status LEDs

- System power per port: Link, speed and activity

• Output Power

- 12W
- 12V DC, 1A

• Physical Specifications

- Dimensions (w x d x h):
 - GS105: 93 x 105 x 27 mm (3.7 x 4.1 x 1.1 in),
 - GS108: 158 x 105 x 27 mm (6.2 x 4.1 x 1.1 in)
- Weight: GS105: 300 g (0.66 lb), GS108: 518 g (1.14 lb)

• Environmental Specifications

- Operating temperature: 0° to 50° C (32° to 122° F)
- Operating humidity: 10% to 90% non-condensing

• Storage Specifications

- -20° to 70° C (-4° to 158° F)
- 10% to 95% relative humidity

• 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 Full-duplex flow control
- IEEE 801.p priority tags
- DSCP priority tags
- Jumbo frame support (9,000 byte)
- Windows®, MAC OS, NetWare®, Linux®

• Safety Agency Approvals

- UL (UL 60950), CUL, C-Tick, CE Mark, licensed (EN 60950)

• Emissions

- FCC Class A and VCCI Class A, CE Class A

System Requirements

- UTP Category 5 cables or better
- Network card for each PC or server

Warranty

- Switch: NETGEAR Lifetime Warranty†
- Power adapter: NETGEAR 2-year warranty

ProSupport™ Service Packs Available**• On Call 24 x 7**

- PMB0331-100 (US)
- PMB0331 (non-US)

• Xpress HW

- PRR0331

Package Contents

- ProSafe 5-port or 8-port Gigabit Ethernet Desktop Switch 10/100/1000 (GS105v2 or GS108v3)
- Wall-mount kit
- Power adapter
- Installation guide
- Warranty & support information card

NETGEAR Related Products

- 32-bit Gigabit PCI Adapter (GA311)
- Gigabit PC Card Adapter (GA511)

Ordering Information**• GS105**

- North America: GS105NA
- Europe - General: GS105GE
- Europe - UK: GS105UK
- Europe - Germany: GS105GR
- Asia: GS105AU
- Japan: GS105A-200JPS

• GS108

- North America: GS108NA
- Europe - General: GS108GE
- Europe - UK: GS108UK
- Europe - Germany: GS108GR
- Asia: GS108AU
- Japan: GS108A-200JPS

NETGEAR®

4500 Great America Parkway
 Santa Clara, CA 95054 USA
 1-888-NETGEAR (638-4327)
 E-mail: info@NETGEAR.com
 www.NETGEAR.com

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*Free basic installation support provided for 90 days from date of purchase. Advanced product features and configurations are not included in free basic installation support; optional premium support available.

†Lifetime warranty for product purchased after 05/01/2007. For product purchased before 05/01/2007, warranty is 5 years.

D-GS105/GS108-2