



# GS108

## 8-port Gigabit Ethernet Switch 10/100/1000 Mbps

### Power Up Your Small Network to Gigabit Speeds

- *Help is there when you need it! NETGEAR provides 24x7 technical support\* in English, with selected local language support during office hours.*

- Now you can have a powerful, high-speed network on a small scale. NETGEAR's GS108 Gigabit Ethernet Switch lets you build a system that provides a full, dedicated 1000, 100, or 10 Mbps connection so you can move very large files across your network instantly. The GS108 also lets you painlessly integrate 10, 100, and 1000 Mbps devices. This potent switch is packed with ease-of-use features to simplify your workday experience. It's compact design fits neatly into small work spaces and, since it's self-cooling without a fan, it runs silently and unobtrusively.

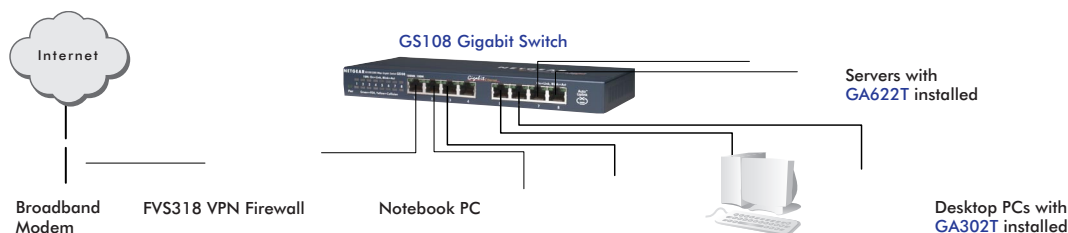
- Power - Packed** • Moves huge files fast! Features a high-speed, auto-switching 10/100/1000 Mbps Ethernet connection. And because Copper Gigabit Ethernet is a full duplex standard, you can get up to 2000 Mbps on each port.

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

- Accommodating** • LEDs embedded in each of the 8 RJ-45 jacks make for easy monitoring. Space-saving dimensions are ideal for desktop or wall mounting in home and small office environments. And it runs quietly, self-cooling without an internal fan.

- Solid** • Strong, durable metal case securely protects the switch's working parts. The GS108 is made to last and NETGEAR backs it with a solid warranty: switch - 5 years, power supply - 2 years.

### Typical Network Setup





## Technical Specifications

- **Network Ports:**
  - 8 auto-speed-sensing UTP ports
- **Forwarding Mode:**
  - Store-and-Forward
- **Performance:**
  - **Bandwidth:** 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):** 1,488,000 packets/sec
  - **Latency (100 to 100 Mbps):** 40  $\mu$  (max)
  - **Latency (1000 to 1000 Mbps):** 10  $\mu$  (max)
  - **Queue Buffer Memory:** 32 Kbytes per port
  - **MAC address database:** 8,000
  - **Acoustic Noise:** 0 dB
  - **Heat Dissipation:** 38.8 BTU/hr
- **AC Power:**
  - 14 W maximum and 5 V @ 2.8 A DC input
- **Physical Specifications:**
  - **Dimensions:** 9.27 x 3.97 x 1.06 in (235.5 x 100.8 x 27 mm)
  - **Weight:** 1.67 lbs (.76 kg)
- **Environmental Specifications:**
  - **Operating temperature:** 0 to 40° C (32 to 104° F)
  - **Operating humidity:** 10% to 90% noncondensing
- **Safety Agency Approvals:**
  - UL (UL 1950), CUL, C-Tick
- **Electromagnetic Compliance:**
  - CE mark, commercial FCC Part 15 Class A, EN 55 022 (CISPR 22), Class A VCCI, Class A C-Tick

- **Status LEDs:**
  - Power, Collision/Rx/Tx, and duplex indicators for each port
  - Link and speed indicators built into each vista RJ-45 port
- **Standards Compliance:**
  - IEEE 802.3i 10BASE-T Ethernet
  - IEEE 802.3u 100BASE-TX Fast Ethernet
  - IEEE 802.3ab 1000BASE-T Gigabit Ethernet
  - Windows®, Mac OS®, NetWare®, TCP/IP
- **Warranty:**
  - Switch - NETGEAR 5-year warranty
  - Power adapter - NETGEAR 2-year warranty

## System Requirements

- UTP Category 5 or better cables
- Network card for each PC or server (e.g. GA302T)
- Network software (e.g., Windows, Linux®, Mac OS)

## Package Contents

- GS108 8-port Gigabit Ethernet Switch
- Wall-mount kit
- AC adapter
- Installation guide
- Warranty/Support information card

## NETGEAR Related Products

- GA302T Copper Gigabit PCI Adapter
- GA622T Copper Gigabit Ethernet Adapter
- GS105 5-port 10/100/1000 Gigabit Ethernet Switch

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