GS104
4-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 telephone and e-mail technical support in English, with selected local language support during office hours.*
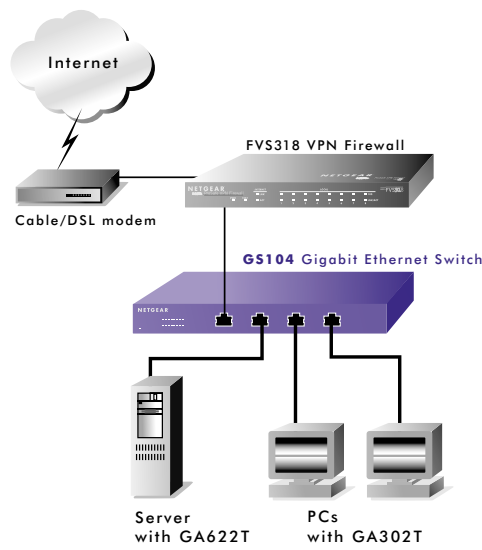
Now you can have a powerful, high-speed network on a small scale. NETGEAR's GS104 Gigabit Ethernet Switch lets you build a system that provides a full, dedicated 1000, 100, or 10 Mbps connection so you can move even very large files across your network instantly. The GS104 also lets you painlessly integrate 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 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, and Auto Uplink™ technology automatically adjusts for straight-through or crossover cables.

Accommodating
LEDs embedded in 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 GS104 is made to last and NETGEAR backs it with a solid warranty: switch - 5 years, power supply - 2 years.

NETGEAR®
Everybody's Connecting.™

switch

Internet

FVS318 VPN Firewall

Cable/DSL modem

NETGEAR

GS104 Gigabit Ethernet Switch

NETGEAR

Server
with GA622T

PCs
with GA302T

Technical Specifications

- **Network Ports:**
  - 4 auto-speed-sensing UTP ports

- **Forwarding Mode:**
  - Store-and-Forward

- **Performance:**
  - Bandwidth: 8 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): 20 usec (max)
  - Latency (1000 to 1000 Mbps): 10 usec (max)
  - Queue Buffer Memory: 12Kbytes per port
  - MAC address database: 8000
  - Acoustic Noise: 0 DB
  - Heat Dissipation: 38.8 Btu/hr

- **AC Power:**
  - 17.5W

- **Dimensions:**
  - 9.3" x 4.1" x 1.1" (235 mm 103 mm 27 mm)
  - 1.25 lb (0.6 kg)

- **Environmental Specifications:**
  - Operating temperature: 0ºC to 40ºC
  - Operating humidity: 10% to 90% noncondensing

- **Safety Agency Approvals:**
  - UL (UL 1950), CUL, C-tick

- **Electromagnetic Compliance:**
  - CE mark, commercial FCC Part 15 Class B, EN55 022 (CISPR 22), Class B VCCI, Class B 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, MacOS, Netware, TCP/IP

- **Warranty:**
  - Switch - 5 years
  - Power adapter - 2 years

- **Input Voltage :**
  - 5V and 5A

System Requirements
  - UTP Category 5 or better cables
  - Network card for each PC or server (e.g. GA302T)
  - Network software (e.g., Windows, Linux, MacOS)

Package Contents
  - GS104 4-port Gigabit Ethernet Switch
  - Wall-mount kit
  - AC adapter
  - Installation Guide
  - Warranty and registration card
  - Support information card

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