NETGEAR®
Connect with Innovation™

5-port and 8-port Gigabit
Ethernet Switches

GS605v3, GS608

Data Sheet

Gigabit Ethernet for Maximum Performance

- Connects up to 10x faster than Fast Ethernet for maximum performance[†]
- Move large files such as multimedia, gaming and Internet access across your network at high speeds
- Fanless design for quiet operation
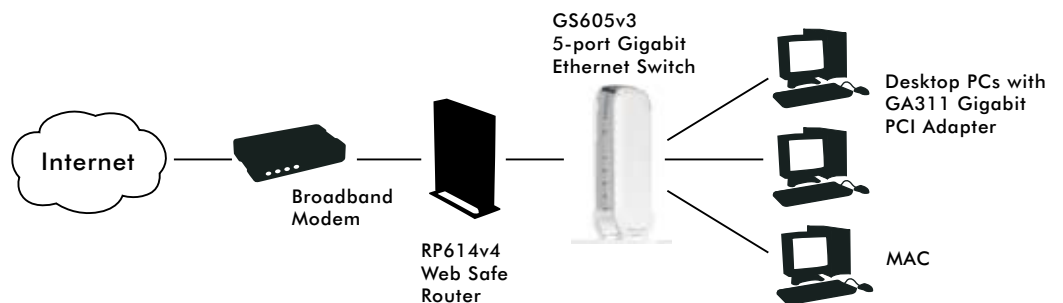- Plug-and-play installation delivers ease of use

Features

- Connects up to 5 or 8 devices delivering speeds up to 10x faster than Fast Ethernet[†]
- Plug-and-play technology
- Dual color LEDs monitor link, speed,and activity
- Supports Fast and Gigabit Ethernet devices with automatic speed-sensing and AutoUplink™ technology
- Supports Windows® and Macintosh® platforms

Upgading to Gigabit

Five great reasons to upgrade your network with Gigabit!

1. 10x faster than Fast Ethernet—Gigabit Ethernet delivers speeds of up to 1000 Mbps[†]
2. Significant boost in performance for bandwidth-intensive applications like video conferencing, video streaming, and gaming
3. Eliminates bottlenecks in your network
4. Backward compatible with 10 Mbps and 100 Mbps network devices
5. Affordable prices make it possible for you to join the technological revolution

Internet — Broadband Modem — RP614v4 Web Safe Router — GS605v3 5-port Gigabit Ethernet Switch — Desktop PCs with GA311 Gigabit PCI Adapter / MAC

Technical Specifications

• Network Ports
– GS605: 5 auto-speed sensing UTP ports
– GS608: 8 auto-speed sensing UTP ports

• Forwarding Mode
– Store-and-forward
– 128K on-chip packet buffering

• Performance
– Bandwidth:
  - GS605: 10 Gbps (non-blocking)
  - GS608: 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
– Latency @ 10 Mbps - 1250 μs (max)
– Latency @ 100 Mbps - 125 μs (max)
– Latency @ 1000 Mbps - 15 μs (max)
– MAC address database: 4,000
– Mean time between failures (MTBF): 816,000 hours (9 years)

• AC Power
– 12V AC,1A; Plug is localized to country of sale
– GS605: 12W (12V, 1A)
– GS608: 14.4W (12V, 1.2A)

• Status LEDs
– System power
– Link, speed and activity indicators for each port

• Physical Specifications
– Dimensions (w x d x h):
  - GS605: 28.6 x 147 x 95.7mm (1.1 x 5.8 x 3.8in)
  - GS608: 31 x 177 x 117mm (1.2 x 7.0 x 4.6in)
– Weight:
  - GS605: 0.28kg (0.63 lb)
  - GS608: 0.31kg (0.69lb)

• Environmental Specifications
– Operating temperature: 0˚ to 40˚C (32˚ to 104˚F)
– Operating humidity: 10% to 90% non-condensing
– Storage temperature: 20˚ to 70˚C (-4˚ to 158˚F)
– Storage humidity: 10% to 95% relative humidity

• Standards Compliance
– IEEE 802.3i 10BASE-T Ethernet
– IEEE 802.3u 100BASE-TX Fast Ethernet
– IEEE 802.3ab 1000BASE-T Gigabit Ethernet
– IEEE 802.1p priority tags
– IEEE 802.3x Full-duplex flow control
– Jumbo frame support (9,000 byte frames)

• Safety Agency Approvals
– C-Tick, CE Mark

• Emissions
– FCC Class B and VCCI Class B, MIC

Warranty
– NETGEAR 2-year Warranty

System Requirements
– 10 Mbps - UTP Cat 3 (or better)
– 100 Mbps - UTP Cat 5 (or better)
– 1000 Mbps - UTP Cat 5e (or better)
– Gigabit Network card for each PC or server (e.g., NETGEAR GA311)
– Windows®, Mac® OS, NetWare™, Linux®

Package Contents
– 5-port and 8-port 10/100/1000 Mbps Gigabit Ethernet Switch (GS605v3 or GS608)
– Vertical stand
– Power adapter
– Installation guide
– Warranty/support information card

NETGEAR Related Products
– Gigabit Ethernet PCI Adapter (GA311)
– Gigabit Ethernet PC Card (GA511)
– 16-port Gigabit Desktop Switch (GS116)

Ordering Information

• GS605
– North America: GS605NA
– Australia: GS605AU
– Germany: GS605GR
– UK: GS605UK
– France: GS605FS
– Italy: GS605IS
– Eastern Europe: GS605EE

• GS608
– North America: GS608NA
– Australia: GS608AU
– Germany: GS608GR
– UK: GS608UK
– France: GS608FS
– Italy: GS608IS

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