NETGEAR®
PROSAFE®

ProSafe® 5-port and 8-port Gigabit
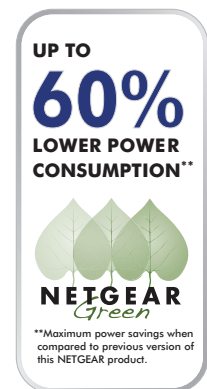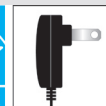Desktop Switches 10/100/1000 Mbps
GS105v3, GS108v3

Data Sheet

Gigabit Power, 10/100 Simplicity

- Connects up to 10x faster than Fast Ethernet for maximum performance†
- Up to 60% lower power consumption[1]
- Auto power-down mode saves energy when port is unused
- Simple to combine Fast Ethernet and Gigabit devices in your network
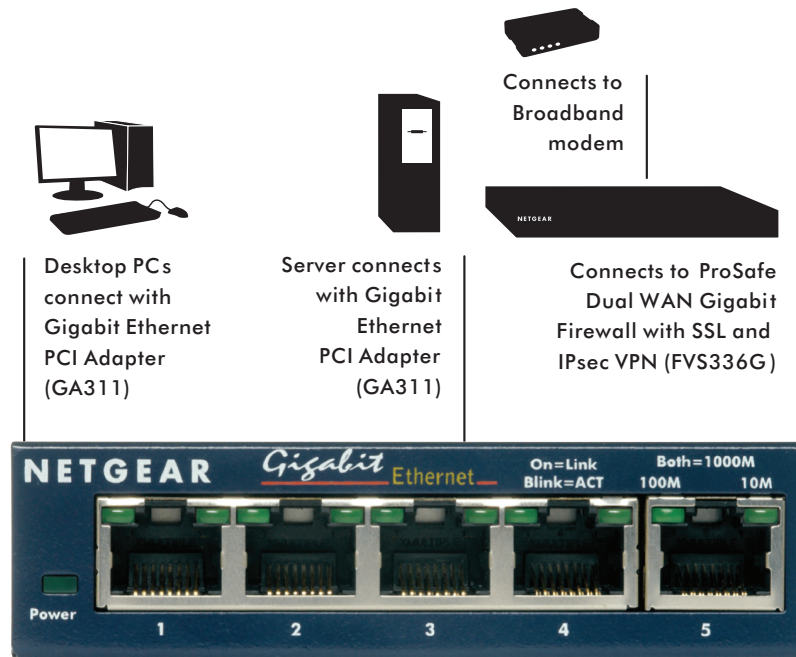- Plug-and-play installation delivers ease of use

Features

- ProSafe 5- and 8-port Gigabit Desktop Switches connect your network with the dual advantages of performance and convenience
- Fast, auto-switching Ethernet connection integrates 10, 100, and 1000 Mbps devices into your network
- Supports Windows® and Macintosh® platforms
- LEDs make it easy to monitor link, speed, and activity
- AutoUplink™ technology automatically adjusts for two common types of cables
- Compact metal case for desktop or wall mounting

NETGEAR Green

- Up to 60% lower power consumption[1]
- Auto power-down mode saves energy when port is unused
- Packaging manufactured with at least 80% recycled materials

UP TO
60%
LOWER POWER
CONSUMPTION**

NETGEAR
Green

**Maximum power savings when
compared to previous version of
this NETGEAR product.

24/7
TECHNICAL
SUPPORT*

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Email: info@NETGEAR.com

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LIFETIME
WARRANTY*

Connects to
Broadband
modem

Desktop PCs
connect with
Gigabit Ethernet
PCI Adapter
(GA311)

Server connects
with Gigabit
Ethernet
PCI Adapter
(GA311)

Connects to ProSafe
Dual WAN Gigabit
Firewall with SSL and
IPsec VPN (FVS336G)

NETGEAR *Gigabit* Ethernet

On=Link
Blink=ACT

Both=1000M
100M   10M

Power

1   2   3   4   5

GS105

Technical Specifications

• **Network Ports**
 – GS105: 5 auto-sensing UTP ports
 – GS108: 8 auto-sensing UTP ports

• **Forwarding Mode**
 – Store-and-forward
 – GS105: 128 KB on-chip
  packet buffering
 – GS108: 192 KB on-chip
  packet buffering

• **Performance**
 – Bandwidth:
  GS105: 10 Gbps (non-blocking)
  GS108: 16 Gbps (non-blocking)
 – Forwarding rate:
  - 10 Mbps port: 14,800 packets/sec
  - 100 Mbps port: 148,000 packets/sec
  - 1000 Mbps port: 1,480,000 packets/sec
 – Latency (using 1500-byte packets):
  - 10 Mbps: 30μs (max)
  - 100 Mbps: 6μs (max)
  - 1000 Mbps: 4μs (max)
 – MAC address database: 4,000
 – Mean time between failures (MTBF):
  >1 million hours (~114 years)

• **Status LEDs**
 – System power
 – Link, speed, and activity indicators
  per port built into each RJ-45 port

• **AC Power**
 – Power adapter: 12W, 12V DC, 1A
 – Maximum power consumption
  GS105: 3.5W
  GS108:
   - 4.92W (if cable length > 10 m)
   - 4.08W (if cable length < 10 m)

• **Physical Specifications**
 – Dimensions (w x d x h):
  GS105: 94 x 104 x 28 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: 0.30 kg (0.66 lb)
  GS108: 0.522 kg (1.15 lb)

• **Environmental Specifications**
 – Operating temperature: 0° to 50° C
  (32° to 122° 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
 – Honors IEEE 802.1p and DSCP
  priority tags
 – Jumbo frame: up to 9,720 bytes

• **Safety Agency Approvals**
 – C-Tick, CE Mark

• **Electromagnetic Compliance**
 – GS105: FCC Class B,
  VCCI Class B
 – GS108: FCC Class B, VCCI class B,
  CE Class B

System Requirements

– Windows®, Linux®, Mac OS®
– 10 Mbps: UTP Cat 3 (or better)
– 100 Mbps: UTP Cat 5 (or better)
– 1000 Mbps: UTP Cat 5e (or better)
– Network card for each PC or server

Warranty

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

ProSupport Service Packs Available

• **OnCall 24x7, Category 1**
– PMB0331-100 (US)
– PMB0331 (non-US)

• **XPressHW, Category 1**
– PRR0331

Package Contents

– ProSafe 5-port or 8-port Gigabit
  Desktop Switch 10/100/1000 Mbps
  (GS105v3 or GS108v3)
– Wall-mount kit
– AC adapter
– Installation guide
– Warranty/support information card

NETGEAR Related Products

– Gigabit Ethernet PCI Adapter (GA311)
– Gigabit Ethernet PC Card (GA511)
– ProSafe® 16-port Gigabit Desktop
  Switch (GS116)

Ordering Information

• **GS105**
– North America: GS105NA
– Europe - General: GS105GE
– UK: GS105UK
– Asia: GS105AU
– Japan: GS105A-300JPS

• **GS108**
– North America: GS108NA
– Europe - General: GS108GE
– UK: GS108UK
– Asia: GS108AU
– Japan: GS108-300JPS

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