



# FS105, FS108, FS116

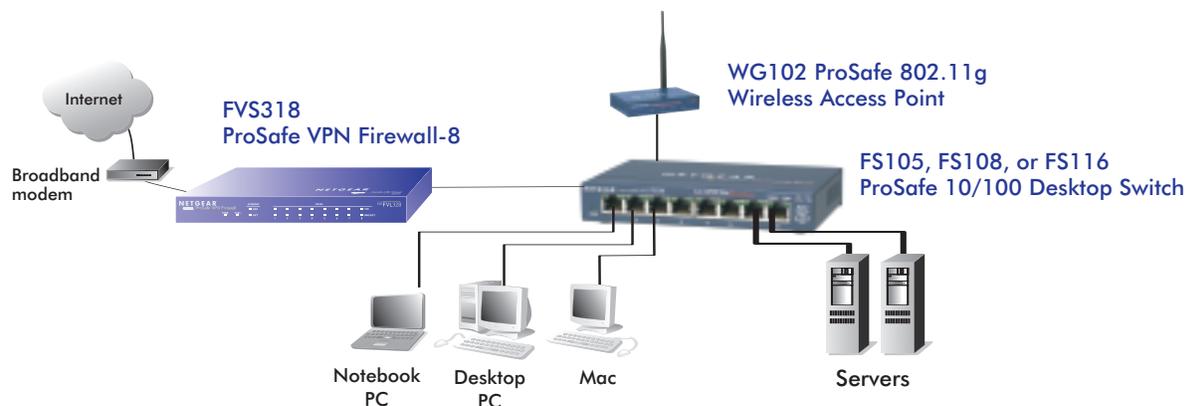
## ProSafe™ 10/100 Desktop Switches

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

- NETGEAR's popular FS100 series desktop switches, known for their reliability and performance, provide your LAN with high-speed, 10/100 Mbps auto-sensing connectivity for as many as 5, 8, or 16 users. Just plug in your Ethernet cables, connect a power cord, and you're ready to go—there's no software to configure. They negotiate to the fastest possible connection and with Auto Uplink™ technology, these switches automatically figure out if the link needs a straight-through or cross-over connection, and makes the right choice. Existing 10BASE-T devices are easily integrated within higher bandwidth environments, with full wire speeds on all ports of either 10 Mbps or 100 Mbps. Engineered without the need for internal fans, they operate silently. And each of these very compact switches is housed in a sturdy metal case for years of dependable use.

When you want solid network performance for your growing business, plus the added benefit of quiet operation, NETGEAR's ProSafe FS105, FS108, and FS116 are your best choices for quality, convenience, and smooth — running usability — all at very affordable prices.

- At Your Service** ● Five, eight, or sixteen ports provide LAN access for many users. Every port supports up to 200 Mbps in dedicated bandwidth and traffic is forwarded flawlessly with automatic flow control.
- Compact** ● Solidly built in small sizes that are easy to position when space is at a premium. Ideal for conference rooms, class rooms, study groups or small offices. Place it on any flat surface or use the included wall mount kit to tuck it out of the way.
- Simple To Use** ● Once you connect the hardware, your switch is operating! Auto negotiation takes care of the speed and duplex, while Auto Uplink takes care of the MDI/MDI-X connection. Eliminate the need for toggle switches or special crossover cables.
- Quiet** ● No fan means no noise, which helps maintain a peaceful atmosphere in your busy office.



## Technical Specifications

- **Network Ports:**
  - FS105: Five (5) auto speed-sensing UTP ports
  - FS108: Eight (8) auto speed-sensing UTP ports
  - FS116: Sixteen (16) auto speed-sensing UTP ports
- **Standards Compliance:**
  - IEEE 802.3 10BASE-T Ethernet
  - IEEE 802.3u 100BASE-TX Fast Ethernet
  - IEEE 802.3x Full-duplex Flow Control
- **Performance Specifications**
  - Forwarding modes: Store-and-forward
  - Bandwidth:
    - FS105: 1Gbps
    - FS108: 1.6 Gbps
    - FS116: 3.2 Gbps
  - Network latency: Less than 20  $\mu$ s for 64-byte frames in store-and-forward mode for 100 Mbps to 100 Mbps transmission
  - Buffer memory:
    - FS105: 64 KB
    - FS108: 96 B
    - FS116: 512 KB
  - Address database size:
    - FS105: 1,000
    - FS108: 1,000
    - FS116: 8,000
  - Addressing: 48-bit MAC address
  - Mean Time Between Failure (MTBF):
    - FS105: 390,000 hours (~40 years)
    - FS108: 168,300 hours (~19 years)
    - FS116: 194,000 hours (~22 years)
- **Environmental Specifications**
  - Operating temperature: 32 to 104°F (0 to 40° C)
  - Storage temperature: 14 to 158°F (-10 to 70°C)
  - Operating humidity: 90% maximum relative humidity, non-condensing
  - Storage humidity: 95% maximum relative humidity, non-condensing
  - Operating altitude: 10,000 ft (3,000 m) maximum
  - Storage altitude: 10,000 ft (3,000 m) maximum
- **Safety Agency Approvals**
  - UL listed (UL 1950)/cUL
  - IEC950/EN60950

- **Status LEDs:**
  - Power
  - Link, speed, and activity indicators built into each RJ-45 port
- **Electromagnetic Emissions:**
  - CE mark, commercial
  - FCC part 15 Class A
  - EN55 022 (CISPR22), Class A
  - VCCI Class A
  - C-Tick
- **AC Power:**
  - FS105: 7.5W (7.5VDC, 1A)
  - FS108: 7.5 W (7.5VDC, 1A)
  - FS116: 14.4W (12VDC, 1.2A)
- **Physical Specifications:**
  - FS105
    - **Dimensions:** 3.7 x 4.1 x 1.1 in (94 x 103 x 27 mm)
    - **Weight:** 0.62 lbs (0.28 kg)
  - FS108
    - **Dimensions:** 6.2 x 4.1 x 1.1 in (158 x 103 x 27 mm)
    - **Weight:** 1.1 lbs (0.49 kg)
  - FS116
    - **Dimensions:** 11.3 x 4.1 x 1.1 in (287 x 103 x 27 mm)
    - **Weight:** 2.0 lbs (0.9 kg)
- **Warranty:**
  - 5 years for unit
  - 2 years for power adapter

## Related NETGEAR ProSafe Products

- GS105 5-port Gigabit Switch
- GS108 8-port Gigabit Switch
- GS116 16-port Gigabit Switch
- GA311 32-bit Gigabit PCI Adapter
- GA511 PC Gigabit Adapter
- FA311 32-bit 10/100 PCI Adapter
- FA511 PC Card 10/100 Adapter

## Package Contents

- 10/100 Desktop Switch
- Wall-mount kit
- AC adapter
- Quick Installation Guide
- Warranty/Support information card

## System Requirements

- Network card for each PC (e.g. NETGEAR FA311)
- Network Cables
- Network card for each PC or server
- Network software (e.g., Windows®, Linux®, Mac OS®)



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

©2005 NETGEAR, Inc. NETGEAR®, the Netgear Logo, Auto Uplink, ProSafe, and Everybody's connecting are trademarks or registered trademarks of Netgear, Inc. in the United States and/or other countries. Microsoft, Windows, and the Windows logo are trademarks or registered trademarks of Microsoft Corporation in the United States and/or other countries. Other brand and product names are trademarks or registered trademarks of their respective holders. Information is subject to change without notice. All rights reserved.

\* 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.

