



NETGEAR FS108 V2 8-Port Fast Ethernet Switch Specifications And Datasheet

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NETGEAR FS108 V2 8-Port Fast Ethernet Switch



Introduction

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.

Technical Specifications

- **Network Ports:**

- **FS108:** Eight (8) 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:** FS108: 1.6 Gbps
- **Network latency:** Less than 20 µs for 64-byte frames in store-and-forward mode for 100 Mbps to 100 Mbps transmission
- **Buffer memory:** FS108: 96 B
- **Address database size:** FS108: 1,000
- **Addressing:** 48-bit MAC address
- **Mean Time Between Failure (MTBF):** FS108: 168,300 hours (~19 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:** FS108: 7.5 W (7.5VDC, 1A)
- **Physical Specifications:** FS108
 - **Dimensions:** 6.2 x 4.1 x 1.1 in (158 x 103 x 27 mm)
 - **Weight:** 1.1 lbs (0.49 kg)
- **Warranty:**
 - 5 years for unit
 - 2 years for power adapter

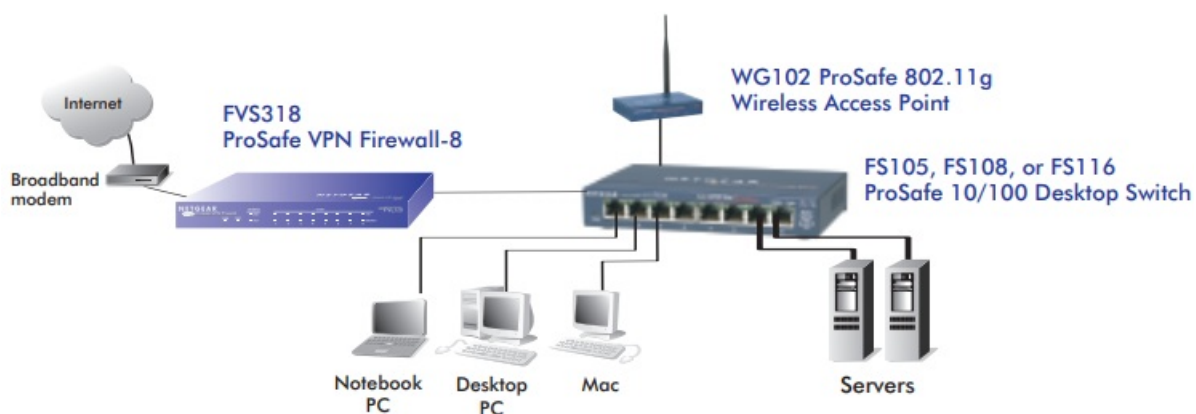
Package Contents

- 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®)

Connection



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

Features

- **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, classrooms, 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.

Help

Help is there when you need it! NETGEAR provides 24×7 technical support* in English, with selected local language support during office hours.

Support

4500 Great America Parkway Santa Clara, CA 95054 USA

Phone: 1-888-NETGEAR

E-mail: info@NETGEAR.com www.NETGEAR.com

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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 is available.

FAQ's

What is the maximum data transfer rate of the NETGEAR FS108 V2 switch?

Fast Ethernet speeds of up to 100 Mbps are supported by the NETGEAR FS108 V2 switch.

Does the switch support auto-negotiation for port speed and duplex mode?

Yes, the switch supports auto-negotiation for both duplex mode (half or full duplex) and port speed (10/100 Mbps).

How many devices can I connect to the FS108 V2 switch?

Eight Ethernet ports on the switch let you connect up to eight devices at once.

Is the FS108 V2 switch compatible with both Windows and Mac computers?

Yes, both Windows and Mac machines can use the switch. Any operating system that supports Ethernet connectivity can use it.

Can I cascade multiple FS108 V2 switches to expand my network?

To expand your network, you can indeed cascade several FS108 V2 switches together. Simply use an Ethernet wire to connect one switch to another.

Does the switch support Quality of Service (QoS) for prioritizing certain types of network traffic?

The FS108 V2 switch is not capable of providing Quality of Service (QoS). It is a fundamental unmanaged switch devoid of sophisticated features.

Does the switch support Power over Ethernet (PoE)?

Power over Ethernet (PoE) is not supported by the FS108 V2 switch. It doesn't give connected gadgets any electricity.

What is the power source for the FS108 V2 switch?

An external AC power adapter that comes with the device powers the switch.

Can I mount the FS108 V2 switch on a wall or under a desk?

Yes, the switch has a mounting kit that enables you to install it in a variety of locations, including under a desk or on a wall.

Does the switch have any indicator lights for network status?

On the front panel of the FS108 V2 switch, there are indicator lights that show the power, link/activity, and speed status of each port.

Is the FS108 V2 switch fanless and silent in operation?

Yes, the switch has no fans, so it runs quietly without making any noise.

What is the warranty period for the NETGEAR FS108 V2 switch?

NETGEAR offers a limited lifetime guarantee on the switch, which protects it from manufacturing and material flaws under normal use and conditions.

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Manuals+.