NETGEAR FS108P

NETGEAR ProSafe FS108P 8-Port 10/100 Switch with Power over Ethernet User Manual

Model: FS108P | Brand: NETGEAR

1. Introduction

This user manual provides comprehensive instructions for the installation, operation, and maintenance of your NETGEAR ProSafe FS108P 8-Port 10/100 Fast Ethernet Switch. The FS108P is designed to offer reliable network connectivity and Power over Ethernet (PoE) capabilities, making it ideal for small office and home office environments requiring power delivery to compatible network devices.

2. Product Overview



This image displays the front panel of the NETGEAR ProSafe FS108P switch. It features eight 10/100 Mbps Ethernet ports. Ports 1 through 4 are PoE-enabled, indicated by the 'POE Ports' label and associated 'POE Active' and 'POE Fault' LEDs. The right side of the switch shows ports 5 through 8, which are standard Ethernet ports. Each port has indicator LEDs for link status and activity. A 'PWR' LED indicates power status, and 'POE MAX' indicates maximum PoE power usage. The device is housed in a durable metal casing, designed for desktop placement.

Key Features:

- 8 x 10/100 Mbps Fast Ethernet ports for high-speed network connections.
- 4 x Power over Ethernet (PoE) ports (ports 1-4) to power compatible devices.
- Automatic MDI/MDIX eliminates the need for crossover cables.
- Non-blocking switching architecture for maximum throughput.
- Durable metal casing for enhanced longevity and heat dissipation.
- Fanless design for silent operation.

3. Package Contents

Verify that your package contains the following items:

- NETGEAR ProSafe FS108P 8-Port 10/100 PoE Switch
- Power Adapter
- User Manual (this document)

If any items are missing or damaged, please contact your reseller or NETGEAR customer support.

4. Setup

4.1 Physical Installation

1. **Placement:** Place the switch on a flat, stable surface, such as a desktop. Ensure adequate ventilation around the device to prevent overheating. Avoid placing it near heat sources or in direct sunlight.
2. **Connect Power:** Connect the provided power adapter to the power input port on the rear panel of the FS108P switch and then plug the adapter into a standard electrical outlet. The Power (PWR) LED on the front panel should illuminate green, indicating the switch is receiving power.

4.2 Network Connections

1. **Connect to Network:** Connect an Ethernet cable from your router, modem, or existing network to any of the 8 ports on the FS108P switch.
2. **Connect Devices:**
    - For **non-PoE devices** (e.g., computers, printers, network storage), connect an Ethernet cable from the device to any available port (1-8) on the FS108P switch.
    - For **PoE-compatible devices** (e.g., IP cameras, VoIP phones, wireless access points), connect an Ethernet cable from the device to one of the PoE-enabled ports (1-4) on the FS108P switch. The switch will automatically detect and provide power to these devices if they are PoE compliant and within the switch's power budget.
3. **Verify Connections:** Once devices are connected, observe the Link/Act LEDs for each connected port. A solid green LED indicates a successful link, and a blinking LED indicates network activity. For PoE devices, the corresponding PoE Active LED should also illuminate green.

5. Operating

The NETGEAR ProSafe FS108P is a plug-and-play device, requiring no software configuration for basic operation. Once connected, it automatically detects network speeds and provides power to PoE devices.

5.1 LED Indicators

LED	Status	Description
PWR	Green	The switch is powered on.
Link/Act (per port)	Solid Green	A valid network link is established.
	Blinking Green	Network activity is occurring on the port.
PoE Active (ports 1-4)	Green	A PoE device is connected and receiving power.

LED	Status	Description
PoE Fault (ports 1-4)	Amber	A PoE fault has occurred (e.g., overcurrent, short circuit, non-compliant device).
PoE Max	Amber	The total PoE power consumption is approaching or has reached the maximum budget.

6. Maintenance

To ensure optimal performance and longevity of your NETGEAR ProSafe FS108P switch, consider the following maintenance guidelines:

- **Cleaning:** Periodically clean the exterior of the switch with a soft, dry cloth. Do not use liquid or aerosol cleaners. Ensure the ventilation slots are free from dust and debris.
- **Environmental Conditions:** Operate the switch within its specified temperature and humidity ranges. Avoid extreme temperatures, direct sunlight, and high humidity.
- **Cable Management:** Ensure network cables are neatly organized and not excessively bent or strained to prevent damage and maintain reliable connections.
- **Firmware Updates:** While this switch is plug-and-play, it is good practice to periodically check the official NETGEAR support website for any available firmware updates that may improve performance or address issues.

7. Troubleshooting

If you encounter issues with your FS108P switch, refer to the following common troubleshooting steps:

- **No Power (PWR LED Off):**
  - Ensure the power adapter is securely connected to the switch and a working electrical outlet.
  - Verify the electrical outlet is functional by plugging in another device.
- **No Link (Link/Act LED Off):**
  - Check that the Ethernet cable is securely connected at both ends (switch port and connected device).
  - Try a different Ethernet cable.
  - Ensure the connected device is powered on and functioning correctly.
  - Try connecting the device to a different port on the switch.
- **PoE Device Not Powering On (PoE Active LED Off):**
  - Ensure the PoE device is connected to one of the PoE-enabled ports (1-4).
  - Verify that the connected device is PoE-compatible (IEEE 802.3af or 802.3at compliant).
  - Check the PoE Fault LED. If amber, there might be a power issue or non-compliant device.
  - Check the PoE Max LED. If amber, the total power budget might be exceeded. Disconnect some PoE devices or use a higher-power PoE switch if needed.
  - Try a different Ethernet cable.
- **Slow Network Performance:**
  - Ensure all cables are Cat5e or better and are not damaged.
  - Check for excessive network traffic or bottlenecks on other network devices.
  - Verify that connected devices are operating at their expected speeds.

8. Specifications

Feature	Detail
Model Number	FS108P
Brand	NETGEAR
Number of Ports	8 (4 PoE, 4 Non-PoE)
Interface Type	10/100 Mbps Fast Ethernet, PoE (Power over Ethernet)
PoE Standard	IEEE 802.3af (Ports 1-4)
Case Material	Metal
Item Weight	2 pounds (approx. 0.91 kg)
Product Dimensions (LxWxH)	4.06 x 9.25 x 1.06 inches (approx. 10.31 x 23.50 x 2.69 cm)
UPC	606449037821

9. Warranty and Support

NETGEAR products typically come with a limited hardware warranty. For specific warranty terms, duration, and conditions applicable to your FS108P switch, please refer to the warranty information included with your product or visit the official NETGEAR website.

For technical support, product registration, and access to the latest drivers and firmware, please visit the official NETGEAR support portal:

NETGEAR Support Website

You can also find additional resources and community forums on the NETGEAR Brand Store on Amazon.

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