NETGEAR FS105-300UKS

NETGEAR FS105 5-Port Fast Ethernet Unmanaged Switch User Manual

Model: FS105-300UKS

Brand: NETGEAR

Introduction

This manual provides comprehensive instructions for the installation, operation, and maintenance of your NETGEAR FS105 5-Port Fast Ethernet Unmanaged Switch. This device is designed for simple plug-and-play connectivity, offering reliable 10/100 Mbps Fast Ethernet ports for your network.

The FS105 is a desktop switch featuring a durable metal housing and fanless design for silent operation, making it suitable for various environments. It is compatible with 100-240V power sources.

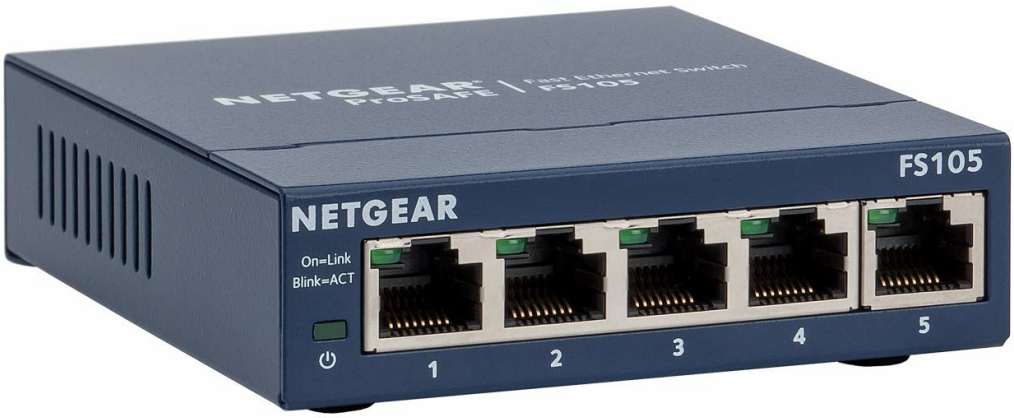


Figure 1: NETGEAR FS105 5-Port Fast Ethernet Unmanaged Switch. This image shows the front view of the blue switch with five Ethernet ports, a power LED, and port status LEDs.

Package Contents

Verify that your package contains the following items:

- 1 x NETGEAR FS105 5-Port 10/100 (Fast Ethernet) Unmanaged Desktop Switch
- Power Adapter (100-240V compatible)
- Installation Guide
- Wall-mount kit (if applicable, for desktop or wall mount placement)

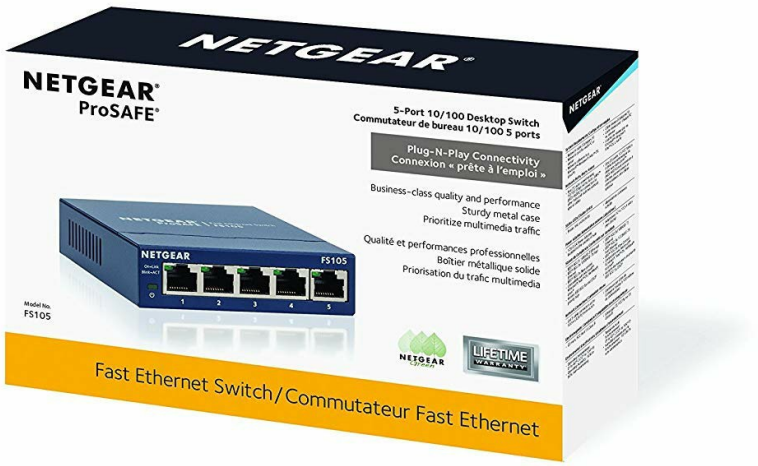


Figure 2: Packaging of the NETGEAR FS105 switch. The box displays the product name, features, and the ProSAFE Lifetime Protection logo.

Setup

Placement

The FS105 switch is designed for versatile mounting options, supporting both desktop and wall-mount placement. Ensure the switch is placed in a well-ventilated area, away from direct sunlight or heat sources. The fanless design ensures silent operation, making it suitable for noise-sensitive environments.

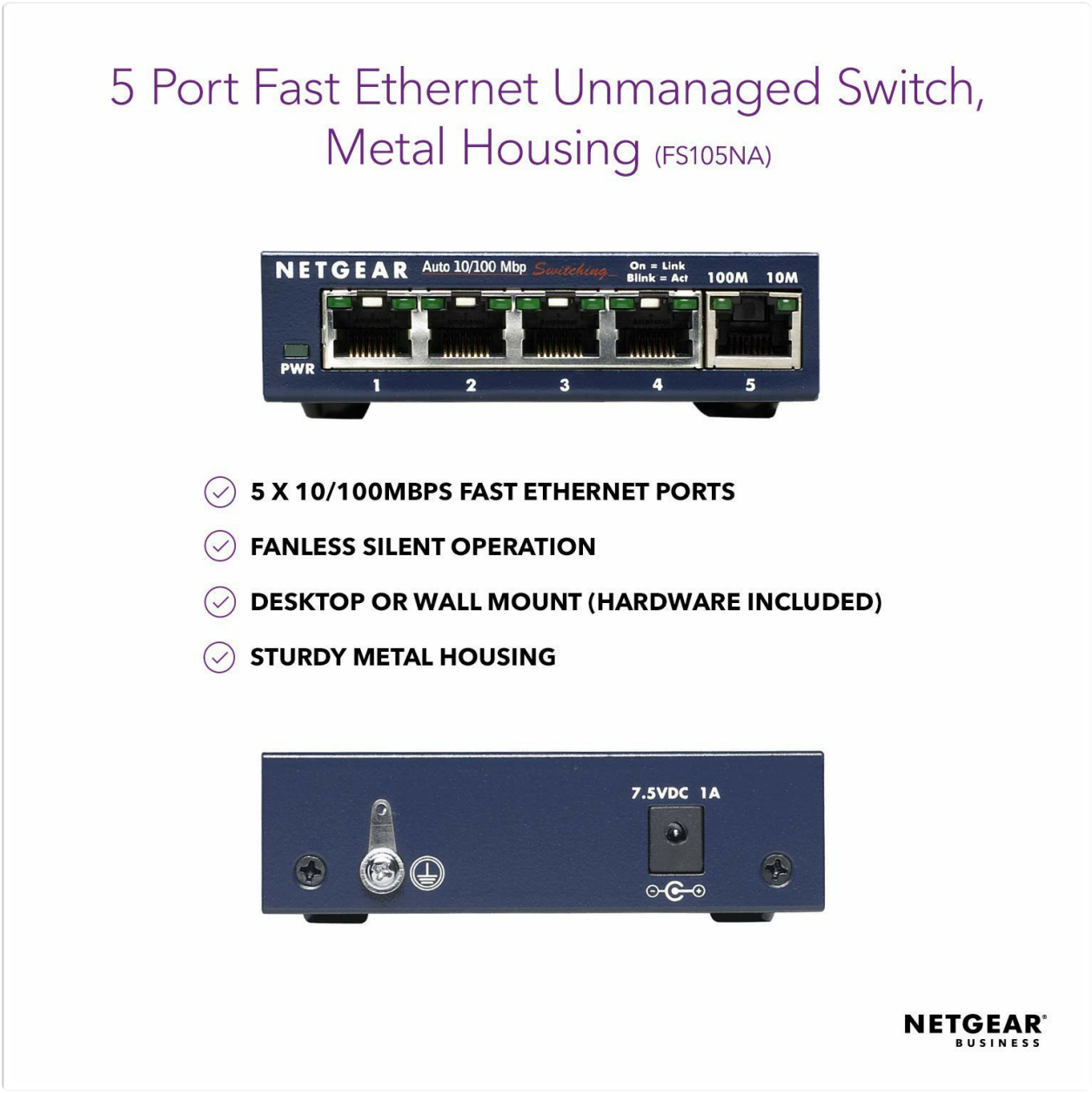


Figure 3: Top and rear view of the FS105NA switch highlighting its features. It shows the five 10/100Mbps Fast Ethernet ports, power input, and mounting points.

Connecting the Switch

1. Connect your network devices (e.g., computers, printers, servers, Wi-Fi access points, modems, NAS devices) to any of the five 10/100Mbps Fast Ethernet ports on the switch using standard Ethernet cables.
2. Connect the included power adapter to the power input on the back of the switch and then plug it into a power outlet.
3. The switch will power on automatically. The Power LED on the front panel will illuminate, indicating the switch is operational.
4. The Link/Act LEDs for each connected port will illuminate when a valid network connection is established and will blink to indicate network activity.

The FS105 is a plug-and-play device, requiring no software installation or configuration.

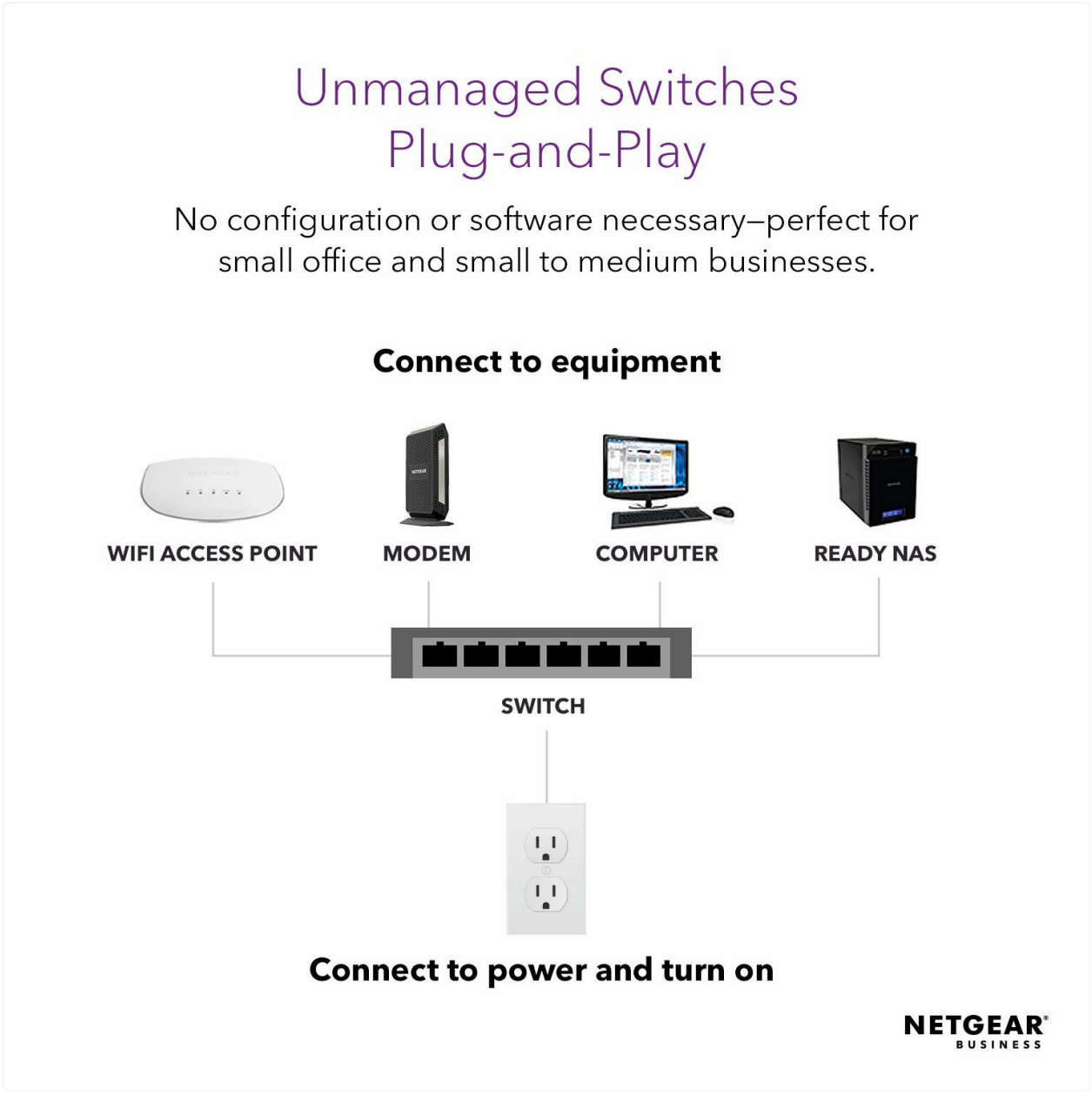


Figure 4: Diagram illustrating the plug-and-play setup of an unmanaged switch. It shows various devices like a WiFi Access Point, Modem, Computer, and Ready NAS connecting to the switch, which then connects to a power source.

Operating the Switch

The NETGEAR FS105 is an unmanaged switch, meaning it operates automatically without requiring user configuration. Once connected, it intelligently manages network traffic.

LED Indicators

- **Power LED:** Illuminates when the switch is powered on.
- **Link/Act LEDs (per port):**
  - **Solid Green:** Indicates a valid network link at 100 Mbps.
  - **Solid Amber:** Indicates a valid network link at 10 Mbps.
  - **Blinking:** Indicates network activity (data transmission).
  - **Off:** No link detected or port is not in use.

Key Features

- **5 Ports 10/100Mbps Fast Ethernet:** Provides dedicated bandwidth for connected devices.
- **Plug-and-Play:** No software or configuration required for setup.
- **Versatile Mounting Options:** Supports desktop or wall mount placement.
- **Silent Operation:** Fanless design eliminates operational noise.
- **Energy Efficient:** Designed to optimize power usage, compliant with IEEE802.3az Energy Efficient Ethernet mode.
- **Durable Construction:** Built with a sturdy metal housing for reliability and longevity.

Maintenance

The NETGEAR FS105 switch requires minimal maintenance.

- **Cleaning:** Periodically wipe the exterior of the switch with a soft, dry cloth. Do not use liquid or aerosol cleaners.
- **Ventilation:** Ensure that the ventilation slots on the sides of the switch are not blocked to prevent overheating.
- **Firmware:** As an unmanaged switch, the FS105 does not require firmware updates.

Troubleshooting

No Power

- Ensure the power adapter is securely connected to the switch and a working power outlet.
- Verify the power outlet is active by plugging in another device.

No Link Light

- Check that the Ethernet cable is securely connected to both the switch port and the network 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.

Slow Network Speed

- Verify that your connected devices are capable of Fast Ethernet (100 Mbps) speeds.
- Check for excessive network traffic or bottlenecks on other parts of your network.
- Ensure Ethernet cables are not damaged and are of appropriate quality (e.g., Cat5e or higher).

Specifications

Feature	Specification
Model Number	FS105-300UKS
Brand	NETGEAR
Number of Ports	5
Ethernet Speed	10/100 Mbps Fast Ethernet

Switch Type	Unmanaged Desktop Switch
Dimensions (L x W x H)	3.7 x 3.98 x 1.06 inches
Weight	9.7 ounces
Color	Blue
Compatible Devices	Desktop, Laptop, Printer, Server
Power Input	100-240V (Multi-voltage compatible)
Fanless Design	Yes
Housing	Metal

Warranty and Support

ProSAFE Lifetime Protection

The NETGEAR FS105 switch is covered by an industry-best ProSAFE Lifetime Limited Hardware Warranty. This warranty provides peace of mind regarding the durability and reliability of your device.
For warranty claims or product replacement, please refer to the official NETGEAR warranty policy or contact customer support.

Technical Support

NETGEAR offers 24/7 chat support with a NETGEAR expert for any technical assistance you may require.
For further support, visit the official NETGEAR support website:www.netgear.com/support