D-Link DGS-1100-16

D-Link DGS-1100-16 16-Port Easy Smart Managed Gigabit Switch User Manual

Brand: D-Link | Model: DGS-1100-16

INTRODUCTION

The D-Link DGS-1100-16 is a 16-port Easy Smart Managed Gigabit Switch designed to expand network connectivity for small and medium businesses. This switch offers essential management functions and features D-Link Green technology for energy efficiency. Its fanless design ensures quiet operation and contributes to a longer product lifespan. The DGS-1100-16 integrates a user-friendly web management console, providing options for configuring and monitoring advanced features such as VLANs, Surveillance VLAN, Link Aggregation, Loopback Detection, IGMP Snooping, and Bandwidth Control.

PRODUCT OVERVIEW

Figure 1: Front view of the D-Link DGS-1100-16 16-Port Easy Smart Managed Gigabit Switch. This image displays the front panel of the switch, featuring 16 Gigabit Ethernet ports with LED indicators for link/activity and speed, along with a reset button.

Key Features

- Sixteen (16) 10/100/1000BASE-T Ports for high-speed network connections.
- Supports 802.1Q VLAN, Auto Voice VLAN, and Auto Surveillance VLAN for efficient traffic management.
- Advanced features include Quality of Service (QoS), Bandwidth Limiting, Link Aggregation, and IGMP Snooping.
- Designed for both desktop placement and rack-mountable installations.
- Fanless design ensures silent operation and reduced power consumption.

SETUP

Package Contents

Verify that your package contains the DGS-1100-16 switch, a power cord, and mounting accessories (if applicable).

Physical Installation

1. **Placement:** Position the switch on a flat, stable surface or install it in a standard 19-inch equipment rack using the provided mounting brackets. Ensure adequate ventilation around the device.
2. **Power Connection:** Connect the supplied power cord to the AC power inlet on the rear panel of the switch and then to a suitable power outlet.
3. **Network Connections:** Connect your network devices (computers, servers, access points, etc.) to the RJ-45 ports on the front panel of the switch using standard Ethernet cables.

Figure 2: Rear view of the D-Link DGS-1100-16 switch. This image shows the rear panel, highlighting the AC power inlet, ground screw, and power cord retainer.

Initial Configuration

For basic plug-and-play functionality, the switch will operate without further configuration. For advanced features, access the web-based management interface. Refer to the D-Link website for the default IP address and login credentials, typically found in the full product manual.

OPERATING THE SWITCH

Once powered on and connected, the DGS-1100-16 switch automatically detects connected devices and their speed, establishing network links. The LED indicators on the front panel provide visual status:

- **Power LED:** Indicates the power status of the switch.
- **Link/Act LEDs (per port):** Indicates a successful network link and flashes to show data activity.
- **Speed LEDs (per port):** Indicates the connection speed (e.g., green for Gigabit, amber for Fast Ethernet).

Web Management Interface

To configure advanced features such as VLANs, Quality of Service (QoS), or Link Aggregation, access the switch's

web-based management interface. Open a web browser and enter the switch's IP address. You will be prompted for a username and password. Consult the full product manual or D-Link support for default credentials and detailed configuration instructions.

MAINTENANCE

Regular maintenance helps ensure optimal performance and longevity of your DGS-1100-16 switch.

- **Cleaning:** Keep the switch clean and free of dust. Use a soft, dry cloth for cleaning. Do not use liquid or aerosol cleaners.
- **Ventilation:** Ensure that the ventilation openings are not blocked to prevent overheating. The fanless design relies on natural convection.
- **Firmware Updates:** Periodically check the D-Link support website for firmware updates. Keeping the firmware current can improve performance, add new features, and address security vulnerabilities.
- **Cable Management:** Ensure network cables are neatly organized and not excessively bent or strained.

TROUBLESHOOTING

If you encounter issues with your DGS-1100-16 switch, consider the following troubleshooting steps:

- **No Power:** Verify that the power cord is securely connected to both the switch and a working power outlet. Check the Power LED on the front panel.
- **No Network Connectivity:** Ensure Ethernet cables are properly connected to both the switch ports and the network devices. Check the Link/Act LEDs for each port; a solid or flashing light indicates a successful connection and activity.
- **Slow Network Speed:** Confirm that connected devices are capable of Gigabit speeds and that the Speed LEDs indicate the expected speed. Ensure cables are Cat5e or better for Gigabit connections.
- **Accessing Web Interface:** Confirm your computer's IP address is in the same subnet as the switch's IP address. Try resetting the switch to factory defaults if you have forgotten the login credentials (refer to the reset button on the front panel).
- **Switch Reset:** To restore factory default settings, press and hold the reset button on the front panel for approximately 5-10 seconds until the LEDs indicate a reset. This will erase all custom configurations.

SPECIFICATIONS

Feature	Specification
Model Number	DGS-1100-16
Number of Ports	16
Interface Type	RJ45
Data Transfer Rate	1000 Megabits Per Second (Gigabit Ethernet)
Item Weight	3.4 pounds
Product Dimensions (LxWxH)	11.02 x 7.09 x 1.73 inches
Voltage	240 Volts

Feature	Specification
Current Rating	1.2 Amps
Case Material	Plastic
Color	Black
Manufacturer	D-Link Systems, Inc.
First Available Date	March 19, 2011

WARRANTY AND SUPPORT

Warranty Information

The D-Link DGS-1100-16 switch comes with a**Lifetime Warranty**. Please refer to the official D-Link website or your product documentation for specific terms and conditions of the warranty.

Technical Support

For further assistance, technical support, or to download the latest drivers and firmware, please visit the official D-Link support website:

www.dlink.com/support

You may also find additional resources, FAQs, and community forums on the D-Link website.