

D-Link DXS-3400-24SC

D-Link DXS-3400-24SC 24-Port Lite Layer 3 Stackable 10GbE Managed Switch User Manual

Model: DXS-3400-24SC

1. INTRODUCTION

This manual provides comprehensive instructions for the installation, configuration, and operation of the D-Link DXS-3400-24SC 24-Port Lite Layer 3 Stackable 10GbE Managed Switch. The DXS-3400 Series offers compact, high-performance switching with wire-speed 10-Gigabit Ethernet capabilities, routing, and ultra-low latency. Its 1U height and high port density make it suitable for demanding enterprise and campus network environments. The DXS-3400-24SC specifically features twenty (20) 10GbE optical (SFP+) ports and four (4) 10GbE "Combo" ports (RJ45/SFP+).

2. PRODUCT FEATURES

- 24-Port Lite Layer 3 Stackable 10GbE Managed Switch.
- Twenty (20) 10GbE optical (SFP+) ports.
- Four (4) 10GbE "Combo" ports (RJ45/SFP+).
- Wire-speed 10-Gigabit Ethernet switching and routing.
- Ultra-low latency performance.
- Compact 1U rack-mountable design.

3. PACKAGE CONTENTS

Verify that your package contains the following items:

- D-Link DXS-3400-24SC 24-Port Lite Layer 3 Stackable 10GbE Managed Switch
- Power Cord
- Rack Mounting Kit
- Console Cable (RJ-45 to DB-9)
- Documentation CD or Quick Installation Guide

If any items are missing or damaged, please contact your local D-Link reseller for assistance.

4. PHYSICAL DESCRIPTION

This section details the physical components and interfaces of the DXS-3400-24SC switch.



Figure 4.1: Angled front view of the D-Link DXS-3400-24SC switch. This image shows the overall compact 1U design, with the D-Link logo prominently displayed on the top cover. The front panel features a series of SFP+ ports and combo RJ45/SFP+ ports, along with status indicator LEDs.



Figure 4.2: Detailed front panel view of the D-Link DXS-3400-24SC switch. From left to right, the front panel includes system status LEDs (Power, Alarm, Link/Act), a console port (RJ-45), a USB port, and then the twenty (20) SFP+ ports followed by four (4) combo RJ45/SFP+ ports. Each port has its own link/activity LED.



Figure 4.3: Rear panel view of the D-Link DXS-3400-24SC switch. This view highlights the modular power supply bays, typically supporting redundant power supplies for enhanced reliability. Multiple cooling fan modules are also visible, designed for efficient heat dissipation. The grounding screw is located on the left side.

5. SETUP

5.1 Rack Mounting

1. Attach the provided mounting brackets to the sides of the switch using the screws included in the rack mounting kit.
2. Align the switch with an available U-space in your standard 19-inch equipment rack.
3. Secure the switch to the rack using appropriate rack screws. Ensure the switch is level and firmly seated.

5.2 Connecting Power

1. Connect one end of the AC power cord to the power inlet on the rear of the switch.
2. Connect the other end of the AC power cord to a grounded electrical outlet.
3. Ensure the power switch (if present) is in the ON position. The power LED on the front panel should illuminate.

5.3 Initial Configuration Access

The switch can be configured via a console port or through its default IP address via a network connection.

Console Port Connection:

1. Connect the provided console cable (RJ-45 to DB-9) from the switch's console port to a serial port on your computer.
2. Open a terminal emulation program (e.g., PuTTY, Tera Term) on your computer.
3. Configure the serial port settings: Baud Rate: 115200, Data Bits: 8, Parity: None, Stop Bits: 1, Flow Control: None.
4. Press Enter to access the command-line interface (CLI).

Web-based Management:

Refer to the D-Link documentation for the default IP address and login credentials to access the web-based management interface.

6. OPERATING INSTRUCTIONS

Once the switch is powered on and initially configured, it will begin forwarding traffic according to its default settings or your custom configurations.

6.1 Port Connectivity

- Connect 10GbE SFP+ transceivers into the SFP+ ports for fiber optic connections.
- For the combo ports, use either an SFP+ transceiver or an RJ45 Ethernet cable for 10GBASE-T connections. Note that only one interface (SFP+ or RJ45) can be active per combo port at a time.
- Observe the Link/Activity LEDs on the front panel. A solid green LED indicates a successful link, and a blinking LED indicates data activity.

6.2 Management Interface

The switch can be managed via its web-based GUI, CLI (Command Line Interface) through the console port or Telnet/SSH, and SNMP (Simple Network Management Protocol).

- **Web GUI:** Access via a web browser using the switch's IP address. Provides a graphical interface for configuration and monitoring.
- **CLI:** Offers granular control and advanced configuration options. Accessible via console or SSH/Telnet.
- **SNMP:** Allows integration with network management systems for centralized monitoring.

Refer to the D-Link DXS-3400 Series User Manual (available on the D-Link support website) for detailed instructions on advanced configuration topics such as VLANs, QoS, routing protocols, and stacking.

7. MAINTENANCE

7.1 Cleaning

- Ensure the switch is powered off and disconnected from all power sources before cleaning.
- Use a soft, dry cloth to wipe the exterior of the switch.
- For dust accumulation in ventilation openings, use compressed air. Do not use liquid cleaners or aerosol sprays.

7.2 Firmware Updates

Regularly check the D-Link support website for the latest firmware updates. Firmware updates can provide new features, performance improvements, and security patches.

1. Download the latest firmware file from the official D-Link support website.
2. Access the switch's web-based management interface or CLI.
3. Follow the instructions in the firmware upgrade section of the switch's user manual to perform the update. **Warning:** Do not power off the switch during a firmware upgrade.

8. TROUBLESHOOTING

This section provides solutions to common issues you may encounter with the DXS-3400-24SC switch.

Problem	Possible Cause	Solution
Switch does not power on.	No power, faulty power cord, power supply issue.	<ul style="list-style-type: none"> • Ensure the power cord is securely connected to both the switch and a working power outlet. • Verify the power outlet is functional. • Check the power switch on the rear of the unit. • If using redundant power supplies, check both units.
No link light on a connected port.	Incorrect cable, faulty transceiver, port disabled, incompatible speed/duplex.	<ul style="list-style-type: none"> • Verify the cable (fiber or RJ45) is correctly connected and not damaged. • Ensure the SFP+ transceiver is properly seated and compatible. • Check the configuration of the port on both the switch and the connected device (speed, duplex, enabled status). • Try a different port or cable.
Cannot access web management interface.	Incorrect IP address, network connectivity issue, firewall, browser issue.	<ul style="list-style-type: none"> • Ensure your computer is on the same IP subnet as the switch. • Verify the switch's IP address. • Check network cable connections. • Temporarily disable any firewalls on your computer. • Try a different web browser. • Attempt to access via console port CLI.

For further assistance, consult the full D-Link DXS-3400 Series User Manual or contact D-Link Technical Support.

9. SPECIFICATIONS

Feature	Detail
Model Number	DXS-3400-24SC
Brand	D-Link
Ports	20 x 10GbE SFP+ ports, 4 x 10GbE Combo (RJ45/SFP+) ports
Switch Type	Lite Layer 3 Stackable Managed Switch
Data Transfer Rate	12 Gigabits Per Second (per port, aggregate switching capacity will be higher)
Interface Type	RJ45, SFP+
Item Weight	14.66 pounds (6.65 kg)
Product Dimensions (LxWxH)	17.32 x 17.32 x 1.5 inches (44 x 44 x 3.8 cm)
Voltage	240V (AC input range typically wider)
Case Material	Plastic (likely metal chassis with plastic components)
Operating Temperature	Up to 50 Degrees Celsius
Manufacturer	D-Link Systems
UPC	790069423604
First Available Date	November 20, 2014

10. SAFETY INFORMATION

Proposition 65 Warning: This product may contain chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, please visit www.P65Warnings.ca.gov.

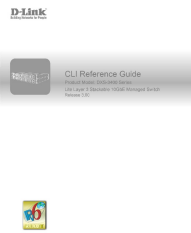



Always follow basic safety precautions when using this product to reduce the risk of fire, electric shock, and injury to persons.

- Do not expose the device to water or moisture.
- Do not open the device or attempt to repair it yourself.
- Ensure proper ventilation to prevent overheating.
- Use only the power adapter provided with the device or a D-Link approved replacement.

11. WARRANTY AND SUPPORT

For warranty information, technical support, and product registration, please visit the official D-Link website or contact your local D-Link support representative. Keep your purchase receipt as proof of purchase.

Related Documents - DXS-3400-24SC

	<p>D-Link DXS-3400 Series Lite Layer 3 Stackable 10GbE Managed Switch CLI Reference Guide</p> <p>A comprehensive guide detailing the Command Line Interface (CLI) commands for the D-Link DXS-3400 Series Lite Layer 3 Stackable 10GbE Managed Switch. This reference is designed for network administrators and IT professionals to manage, configure, and troubleshoot the switch effectively.</p>
	<p>D-Link DXS-3400-24SC Quick Installation Guide</p> <p>This guide provides instructions for setting up the D-Link DXS-3400-24SC Managed L2+ Switch, covering package contents, hardware overview, LED indicators, installation guidelines, connections, and management options.</p>
	<p>D-Link DXS-3610-54S Quick Installation Guide</p> <p>This guide provides instructions for setting up the D-Link DXS-3610-54S switch, covering hardware overview, installation, connections, and management.</p>
	<p>D-Link DXS-1210 Series: 10 Gigabit Ethernet Smart Managed Switches</p> <p>Explore the D-Link DXS-1210 Series, high-performance 10 Gigabit Ethernet Smart Managed Switches designed for SMBs. Features include Green Technology, advanced security, versatile management, and extensive L2/L3 capabilities.</p>



[D-Link DXS-1210-10TS L2+ Managed Switch Quick Installation Guide](#)

Quick installation guide for the D-Link DXS-1210-10TS, an L2+ managed switch featuring 8 x 10GBase-T ports and 2 x 10GBase-X SFP+ ports. Includes setup, installation, management, technical specifications, and safety information.



[D-Link DGS-3130-54S Quick Installation Guide](#)

Quick installation guide for the D-Link DGS-3130-54S L3 Stackable Managed Switch, covering package contents, hardware installation, power connection, redundant power supply setup, management options, and technical specifications.