HEWLETT PACKARD J9803A

HP 1810-24G v2 Gigabit SFP Rack-Mountable Switch (J9803A) User Manual

Model: J9803A | Brand: HEWLETT PACKARD

1. INTRODUCTION

This manual provides detailed instructions for the installation, configuration, and operation of the HP 1810-24G v2 Gigabit SFP Rack-Mountable Switch (Model J9803A). The HP 1810 Switch Series offers smart-managed, fixed-configuration Gigabit Layer 2 switching capabilities, designed for small business environments requiring an easy-to-administer networking solution.

Please read this manual thoroughly before attempting to install or operate the device. Retain this manual for future reference.

2. PACKAGE CONTENTS

Carefully unpack the box and verify that all items are present and in good condition. If any item is missing or damaged, contact your vendor immediately.

- HP 1810-24G v2 Gigabit SFP Rack-Mountable Switch (J9803A)
- Power Cord
- Rack-mounting hardware (brackets and screws)
- Documentation (Quick Start Guide, Safety and Regulatory Information)

Figure 2.1: The retail packaging for the HP 1810-24G v2 Gigabit SFP Rack-Mountable Switch. This box contains the switch unit and all included accessories.

Figure 2.2: Contents of the HP 1810-24G v2 Switch package, including the switch unit, power cord, and rack-mounting brackets with screws.

3. PHYSICAL DESCRIPTION

3.1 Front Panel

Figure 3.1: Front view of the HP 1810-24G v2 Switch, showing the 24 Gigabit Ethernet ports and 2 SFP ports.

The front panel of the HP 1810-24G v2 Switch features the following components:

- **24 x 10/100/1000Base-T Ports:** RJ-45 ports for connecting network devices using Ethernet cables. Each port supports auto-negotiation for speed and duplex mode.
- **2 x Gigabit SFP Ports:** Small Form-Factor Pluggable ports for fiber optic connections, allowing for extended network reach or uplink to other network devices.
- **LED Indicators:** Status LEDs for power, system activity, and individual port status (link/activity, speed).
- **Reset Button:** Used to reset the switch to factory default settings.

3.2 Rear Panel

The rear panel typically includes the power input connector and possibly grounding points.

- **AC Power Inlet:** Connector for the power cord.

4. SETUP AND INSTALLATION

4.1 Safety Precautions

- Ensure the power source matches the switch's voltage requirements.
- Do not block ventilation openings.
- Avoid placing the switch in direct sunlight or near heat sources.
- Keep the switch away from water or damp environments.

4.2 Mounting Options

The HP 1810-24G v2 Switch supports both rack-mounting and wall-mounting.

4.2.1 Rack Mounting

1. Attach the provided rack-mounting brackets to the sides of the switch using the included screws.
2. Secure the switch into a standard 19-inch equipment rack using appropriate rack screws (not always included).

4.2.2 Wall Mounting

1. Identify a suitable wall location, ensuring adequate ventilation and access to power.

2. Use appropriate wall anchors and screws (not included) to secure the switch to the wall.

4.3 Connecting Power

1. Connect one end of the power cord to the AC power inlet on the rear panel of the switch.
2. Connect the other end of the power cord to a grounded electrical outlet.
3. Verify that the power LED on the front panel illuminates, indicating the switch is receiving power.

4.4 Network Connections

1. Connect your network devices (computers, servers, access points, etc.) to the RJ-45 Gigabit Ethernet ports using standard Ethernet cables.
2. For fiber optic connections, insert compatible SFP transceivers (not included) into the SFP ports, then connect fiber optic cables.
3. Observe the port LEDs to confirm link status and activity.

5. OPERATING INSTRUCTIONS

5.1 Initial Configuration (Web Interface)

The HP 1810-24G v2 Switch is a smart-managed switch, configurable via a web-based interface.

1. Connect a computer directly to any RJ-45 port on the switch using an Ethernet cable.
2. Configure your computer's IP address to be in the same subnet as the switch's default IP address (refer to the Quick Start Guide for default IP).
3. Open a web browser and enter the switch's default IP address.
4. Log in using the default username and password (refer to the Quick Start Guide).
5. Follow the on-screen prompts to change the default password and configure basic network settings, such as the switch's IP address, subnet mask, and gateway.
6. Explore the web interface for advanced features like VLAN tagging, Link Aggregation (LACP), Spanning Tree Protocol (STP), Quality of Service (QoS), and SNMP.

5.2 Basic Network Operation

Once configured, the switch operates automatically to forward network traffic between connected devices.

- **Plug and Play:** Connect Ethernet devices to any available port. The switch will automatically detect the connection speed and duplex mode.
- **Gigabit Performance:** Supports Gigabit Ethernet speeds (1000 Mbps) for high-bandwidth applications.
- **SFP Connectivity:** Utilize SFP ports for fiber uplinks to connect to other switches or network segments over longer distances.

6. MAINTENANCE

6.1 Firmware Updates

Periodically check the Hewlett Packard Enterprise (HPE) support website for firmware updates. Keeping the firmware up-to-date ensures optimal performance, security, and access to new features.

1. Download the latest firmware from the official HPE support portal.
2. Access the switch's web interface.
3. Navigate to the firmware upgrade section and follow the instructions to upload and install the new firmware.

4. *Note:* Do not power off the switch during a firmware upgrade.

6.2 Cleaning

To maintain proper ventilation and prevent overheating, keep the switch clean.

- Use a soft, dry cloth to wipe the exterior of the switch.
- Use compressed air to clear dust from ventilation openings.
- Do not use liquid or aerosol cleaners.

6.3 Resetting to Factory Defaults

If necessary, the switch can be reset to its factory default settings. This will erase all custom configurations.

1. With the switch powered on, locate the reset button on the front panel.
2. Use a paperclip or a similar pointed object to press and hold the reset button for approximately 10 seconds.
3. Release the button when the system LEDs indicate a reset (refer to the Quick Start Guide for specific LED behavior).
4. The switch will reboot with factory default settings.

7. TROUBLESHOOTING

This section provides solutions to common issues you might encounter.

7.1 No Power

- Ensure the power cord is securely connected to both the switch and a working electrical outlet.
- Verify the power outlet is functional by plugging in another device.
- Check the power LED on the front panel. If it is off, contact support.

7.2 No Network Connectivity

- Check the Ethernet cables for secure connections at both ends.
- Verify the link/activity LED for the connected port. If it is off, try a different port or cable.
- Ensure the connected device is powered on and configured correctly.
- If using SFP ports, ensure compatible transceivers are used and fiber cables are correctly connected.
- Confirm the switch's IP address and network settings are correct via the web interface.

7.3 Cannot Access Web Interface

- Ensure your computer's IP address is in the same subnet as the switch.
- Verify you are using the correct IP address for the switch.
- Clear your browser's cache or try a different browser.
- If the password was changed and forgotten, you may need to perform a factory reset (see Section 6.3).

8. SPECIFICATIONS

Feature	Description
Model Number	J9803A
Brand	HEWLETT PACKARD

Feature	Description
Ports	24 x 10/100/1000Base-T Gigabit Ethernet, 2 x Gigabit SFP
Switching Capacity	*(Information not provided, typical for a 24-port Gigabit switch is 48 Gbps)*
Layer	Layer 2
Management	Smart-managed (Web-based GUI)
Mounting Options	Rack-mountable, Wall-mountable
Dimensions (LxWxH)	7 x 13 x 2 inches
Weight	3 pounds
Manufacturer	Cisco *(As listed in product specifications, though brand is HP)*
ASIN	B009HQAMBA
Date First Available	October 7, 2012

9. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the official Hewlett Packard Enterprise (HPE) website or the documentation included with your product.

Important Notice Regarding Returns and Warranty: Please be aware that returns for non-defective items may not be accepted. Merchandise returned for repair and found not to be defective by technicians may incur a restocking fee. Additional warranty length options may be available; contact your vendor directly for more details.

For further assistance, visit the official HPE Support Website.