

## HP J9773A

# HP 2530-24G-PoE+ Switch (J9773A) Instruction Manual

## 1. INTRODUCTION

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This manual provides essential information for the installation, operation, and maintenance of the HP 2530-24G-PoE+ Switch (model J9773A). The HP 2530 Switch Series offers fully managed Layer 2 edge switches designed to deliver cost-effective, reliable, and secure connectivity for business networks. This model provides full Layer 2 capabilities with enhanced access security, traffic prioritization, IPv6 host support, and Power over Ethernet Plus (PoE+) functionality.

## 2. PRODUCT OVERVIEW

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### 2.1 Key Features

- **Total Number of Network Ports:** 24
- **Network Technology:** 10/100/1000Base-T
- **Number of Total Expansion Slots:** 4 (SFP)
- Managed Layer 2 capabilities
- Power over Ethernet Plus (PoE+) support
- Enhanced access security and traffic prioritization
- IPv6 host support

### 2.2 Front Panel Layout

The front panel of the HP 2530-24G-PoE+ Switch features 24 integrated 10/100/1000Base-T PoE+ ports and 4 SFP ports for uplink connections. It also includes various LED indicators and control buttons for status monitoring and basic management.



**Image 1:** Front view of the HP 2530-24G-PoE+ Switch. The left side shows the HP logo, Power, Fault, and Locator LEDs, along with Status, LED Mode, and Console port. The right side displays 24 integrated 10/100/1000Base-T PoE+ ports (labeled 1-24) and 4 SFP ports (labeled 25-28). The LED Mode section indicates Speed Mode (Spd Mode) settings: Off for 10 Mbps, Flash for 100 Mbps, and On for 1000 Mbps.

## 2.3 Front Panel Components

- **Power LED:** Indicates the power status of the switch.
- **Fault LED:** Illuminates to indicate a system fault.
- **Locator LED:** Used to visually locate the switch in a rack.
- **Status LED:** Displays the overall operational status.
- **LED Mode Button:** Cycles through different LED display modes (Status, PoE, Fan, Test).
- **Speed Mode (Spd Mode) Indicators:**
  - Off: 10 Mbps
  - Flash: 100 Mbps
  - On: 1000 Mbps

- **Console Port:** RJ-45 port for local management access.
- **Reset Button:** Recessed button to reset the switch.
- **Clear Button:** Recessed button for clearing configurations or logs.
- **PoE+ Integrated 10/100/1000Base-T Ports (1-24):** RJ-45 ports supporting Power over Ethernet Plus. All RJ-45 ports are Auto-MDIX.
- **SFP Ports (25-28):** Slots for Small Form-Factor Pluggable transceivers for fiber or copper uplinks.

## 3. SETUP

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### 3.1 Unpacking and Inspection

Carefully unpack the switch and all accessories. Inspect for any physical damage. If any components are missing or damaged, contact your vendor immediately.

### 3.2 Mounting the Switch

The switch can be placed on a flat surface or mounted in a standard 19-inch equipment rack. Ensure adequate ventilation around the switch to prevent overheating.

- **Rack Mounting:** Attach the provided rack-mount brackets to the sides of the switch using the included screws. Secure the switch into the rack using appropriate rack screws.
- **Desktop Placement:** Place the switch on a stable, level surface. Ensure rubber feet are attached to prevent slipping and provide airflow.

### 3.3 Connecting Power

Connect the supplied power cord to the AC power inlet on the rear panel of the switch and then to a grounded electrical outlet. The Power LED on the front panel should illuminate, indicating the switch is receiving power.

### 3.4 Network Connections

- **RJ-45 Ports (1-24):** Connect Ethernet cables from your network devices (computers, IP phones, wireless access points, etc.) to these ports. These ports support 10/100/1000 Mbps speeds and PoE+ for compatible devices.
- **SFP Ports (25-28):** Insert compatible SFP transceivers into these slots, then connect fiber optic or copper cables for uplink connections to other switches or network segments. Use only supported transceivers.

## 4. OPERATING INSTRUCTIONS

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### 4.1 Initial Power On

Once powered on, the switch will perform a self-test. Observe the Power and Status LEDs. A steady green Power LED and a stable Status LED indicate normal operation.

### 4.2 LED Indicators

Monitor the front panel LEDs to understand the switch's status and port activity.

- **Link/Activity LEDs (per port):** Indicate network link status and data activity.
- **PoE LEDs (per port):** Indicate PoE power delivery status.

- **Speed Mode LEDs:** Use the LED Mode button to cycle to 'Spd' mode to view port speed.

## 4.3 Console Access

For initial configuration and advanced management, connect a console cable from your computer's serial port to the switch's Console port. Use a terminal emulation program (e.g., PuTTY, Tera Term) with the following settings:

- **Baud Rate:** 9600
- **Data Bits:** 8
- **Parity:** None
- **Stop Bits:** 1
- **Flow Control:** None

## 5. MAINTENANCE

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### 5.1 General Care

- Keep the switch in a clean, dust-free environment.
- Ensure proper ventilation and airflow around the device.
- Avoid exposing the switch to extreme temperatures or humidity.

### 5.2 Firmware Updates

Periodically check the HP support website for the latest firmware updates. Keeping the firmware up-to-date ensures optimal performance, security, and access to new features. Follow the instructions provided with the firmware update package for proper installation.

## 6. TROUBLESHOOTING

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### 6.1 Common Issues and Solutions

Problem	Possible Cause	Solution
Switch does not power on	No power, faulty power cord/outlet	Verify power cord connection, test outlet, try a different power cord.
No link on a port	Faulty cable, incorrect device settings, port disabled	Check cable, ensure connected device is powered on, verify port status in switch configuration.
PoE device not receiving power	Device not PoE compatible, insufficient power budget, faulty cable	Confirm device PoE compatibility, check switch PoE budget, test with a known good cable.
Slow network performance	Network congestion, duplex mismatch, faulty cable	Check network traffic, ensure auto-negotiation is enabled or manually set duplex, replace cable.

### 6.2 Resetting the Switch

If the switch becomes unresponsive or requires a factory reset, use the recessed Reset button on the front panel. Refer to the specific reset procedure in the advanced user guide for details on a soft reset versus a factory default reset.

## 7. SPECIFICATIONS

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Specification	Value
Model Number	J9773A
Item Weight	3.95 Kilograms (8.69 pounds)
Product Dimensions (LxWxH)	13 x 2 x 17 inches
Case Material	Plastic
Upper Temperature Rating	40 Degrees Celsius
Interface Type	PoE
Data Transfer Rate	1 Gigabits Per Second
RAM	128 MB
Flash Memory Size	128 MB
Number of Ports	24 (RJ-45) + 4 (SFP)
Manufacturer	HP Inc-613567
UPC	886112457778, 886112457761

## 8. WARRANTY AND SUPPORT

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### 8.1 Product Warranty

The HP 2530-24G-PoE+ Switch includes a product lifetime warranty. Please refer to the official HP warranty documentation for full terms and conditions regarding coverage and service.

### 8.2 Technical Support

For technical assistance, troubleshooting beyond this manual, or warranty claims, please contact HP customer support. Visit the official HP website for support resources, driver downloads, and contact information.