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Sodola SL-8T2XS-WEB-JP

SODOLA 2.5Gbps Web Managed 10-Port Switch

Model: SL-8T2XS-WEB-JP

1. Introduction

Thank you for choosing the SODOLA 2.5Gbps Web Managed 10-Port Switch. This high-performance switch is designed to provide reliable and high-speed network connectivity for home and office environments. Featuring 8x 2.5 Gigabit RJ45 ports and 2x 10 Gigabit SFP+ ports, it offers flexible connectivity options and advanced web-based management capabilities.

This manual provides essential information for setting up, operating, and maintaining your switch. Please read it thoroughly before use to ensure proper installation and optimal performance.

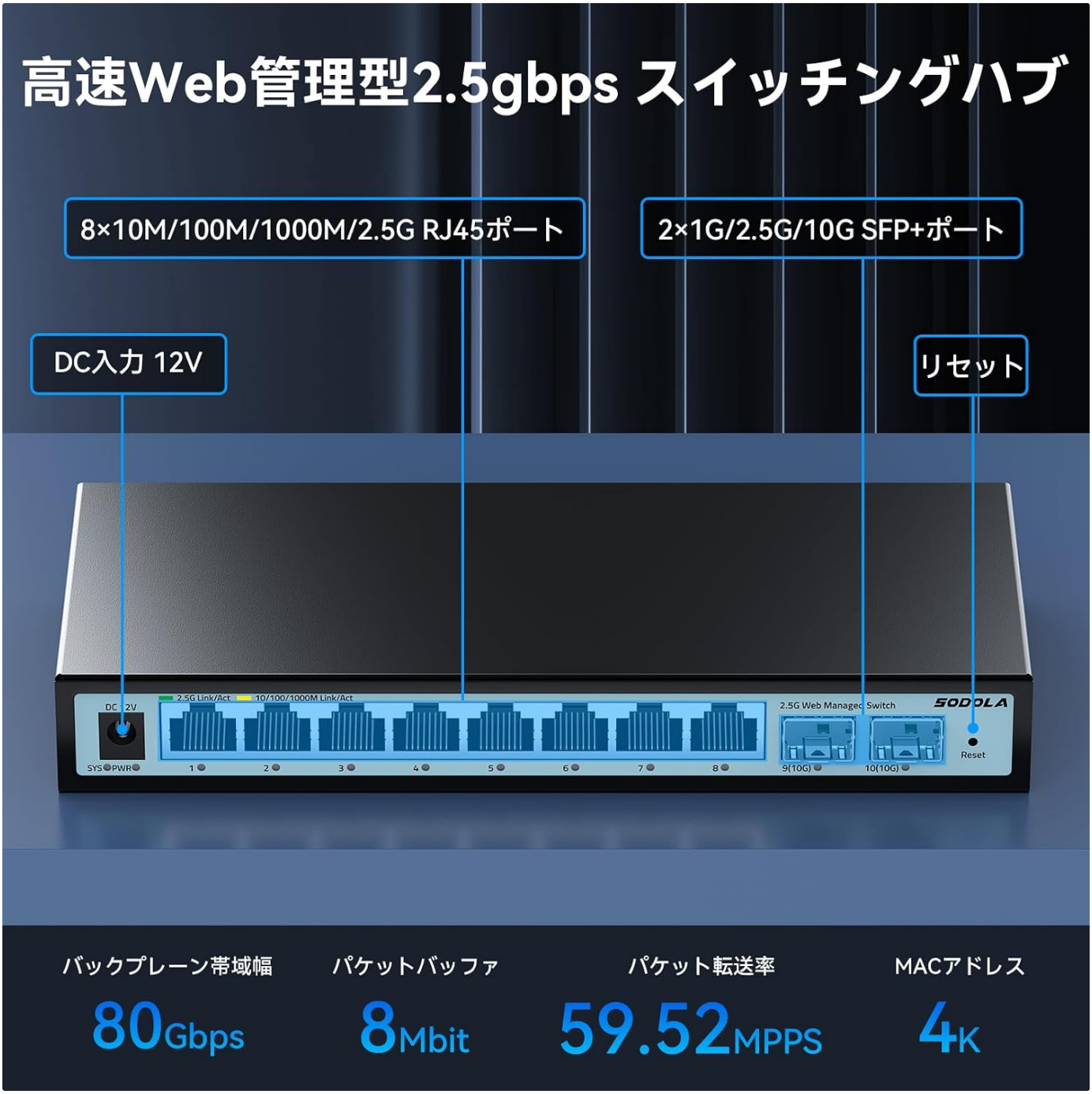


Image 1.1: Front view of the SODOLA 2.5Gbps Web Managed 10-Port Switch, showing the 8x 2.5G RJ45 ports, 2x 10G SFP+ ports, and LED indicators.

2. Package Contents

Please verify that all items are present and in good condition upon unpacking. If any item is missing or damaged, please contact your vendor.

- SODOLA 2.5Gbps Web Managed 10-Port Switch Unit x 1
- Power Adapter x 1
- User Manual x 1

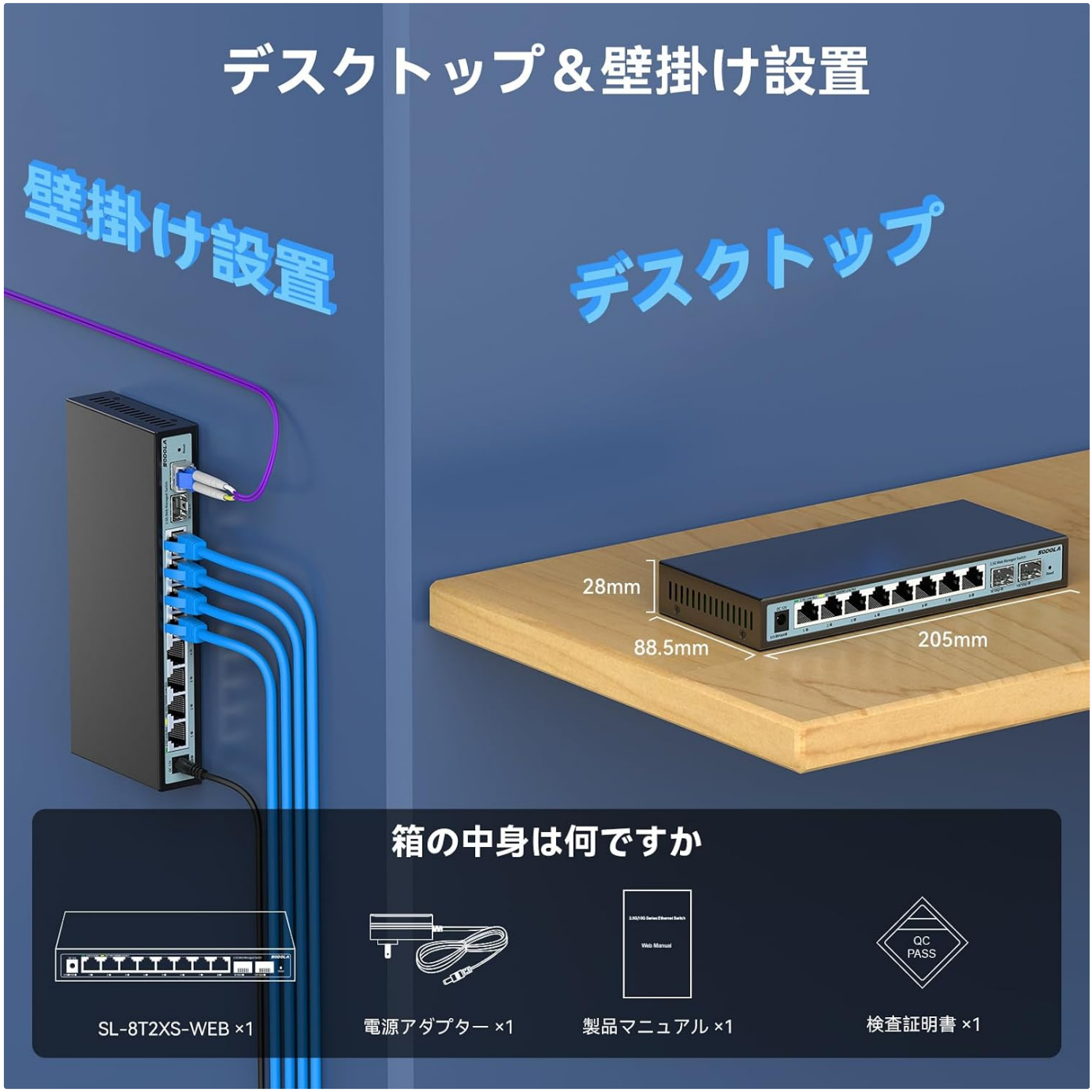


Image 2.1: Illustration of the package contents including the switch unit, power adapter, and user manual. Also shows desktop and wall-mount installation options.

3. Product Overview

3.1 Front Panel

The front panel of the switch features all network ports and status indicators.

- **8x 2.5G RJ45 Ports:** These ports support 10/100/1000/2500Mbps Ethernet connections. They are auto-negotiating and compatible with CAT5e, CAT6, and CAT7 cables.
- **2x 10G SFP+ Ports:** These ports support 1G/2.5G/10G fiber optic connections. SFP+ modules are not included and must be purchased separately.
- **LED Indicators:** Each port has an LED indicator to show link status and activity.

3.2 Rear Panel

The rear panel contains the power input and reset button.

- **DC 12V Power Input:** Connect the provided power adapter here.
- **Reset Button:** Used to restore the switch to factory default settings. Press and hold for approximately 5-10 seconds while the device is powered on.

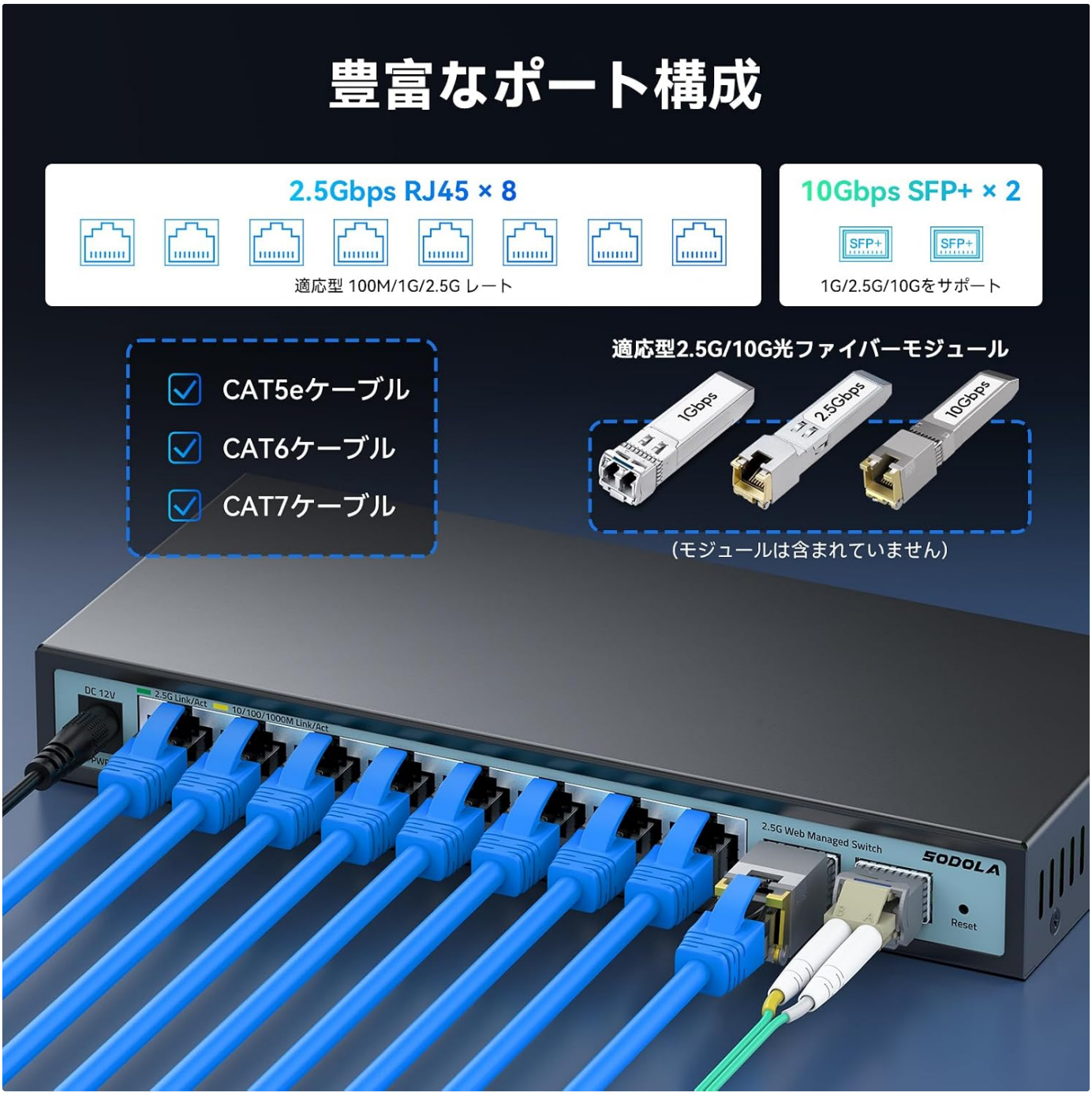


Image 3.1: Close-up view of the switch ports with Ethernet cables and an SFP+ module connected, illustrating port configuration and compatible cable types (CAT5e, CAT6, CAT7).

4. Setup

4.1 Physical Installation

The switch can be placed on a desktop or mounted on a wall.

- **Desktop Placement:** Place the switch on a stable, flat surface. Ensure adequate ventilation around the device.
- **Wall Mounting:** Use appropriate screws (not included) to secure the switch to a wall using the mounting holes on

the device. Ensure the wall can support the weight of the switch and connected cables.

4.2 Power Connection

1. Connect the power adapter to the DC 12V input port on the rear panel of the switch.
2. Plug the other end of the power adapter into a standard electrical outlet.
3. The power LED indicator on the front panel should illuminate, indicating the switch is powered on.

4.3 Network Connection

1. Connect your network devices (e.g., computers, servers, NAS, routers) to the RJ45 ports using Ethernet cables. For optimal performance, use CAT6 or higher specification cables for 2.5Gbps connections.
2. For SFP+ ports, insert compatible 1G/2.5G/10G SFP+ fiber optic modules (not included) into the SFP+ slots, then connect fiber optic cables to the modules.
3. Verify the link/activity LEDs for each connected port. A solid green or amber light typically indicates a successful link, and blinking indicates data activity.

5. Operating the Switch

5.1 Basic Operation

Once powered on and connected, the switch operates automatically. It supports auto-negotiation for speed and duplex mode on RJ45 ports, and auto MDI/MDIX, eliminating the need for crossover cables.

5.2 LED Indicators

The LEDs on the front panel provide visual status of the switch and its connections:

- **Power LED:** On when the switch is powered.
- **Link/Act LEDs (RJ45 Ports):**
  - Solid Green: 2.5Gbps link established.
  - Solid Amber: 1Gbps link established.
  - Solid Yellow: 100Mbps link established.
  - Blinking: Data activity.
  - Off: No link or device connected.
- **Link/Act LEDs (SFP+ Ports):**
  - Solid Green: 10Gbps link established.
  - Solid Amber: 1Gbps/2.5Gbps link established.
  - Blinking: Data activity.
  - Off: No link or SFP+ module/cable connected.

6. Web Management Interface

The switch features a web-based management interface for advanced configuration and monitoring.

6.1 Accessing the Web Interface

1. Ensure your computer is connected to one of the switch's RJ45 ports.
2. Configure your computer's IP address to be in the same subnet as the switch's default IP address (e.g., if the switch

is 192.168.2.1, set your computer to 192.168.2.X, where X is not 1, and subnet mask 255.255.255.0).

3. Open a web browser and enter the default IP address:**192.168.2.1**
4. When prompted, enter the default login credentials:
   Username: admin
   Password: admin

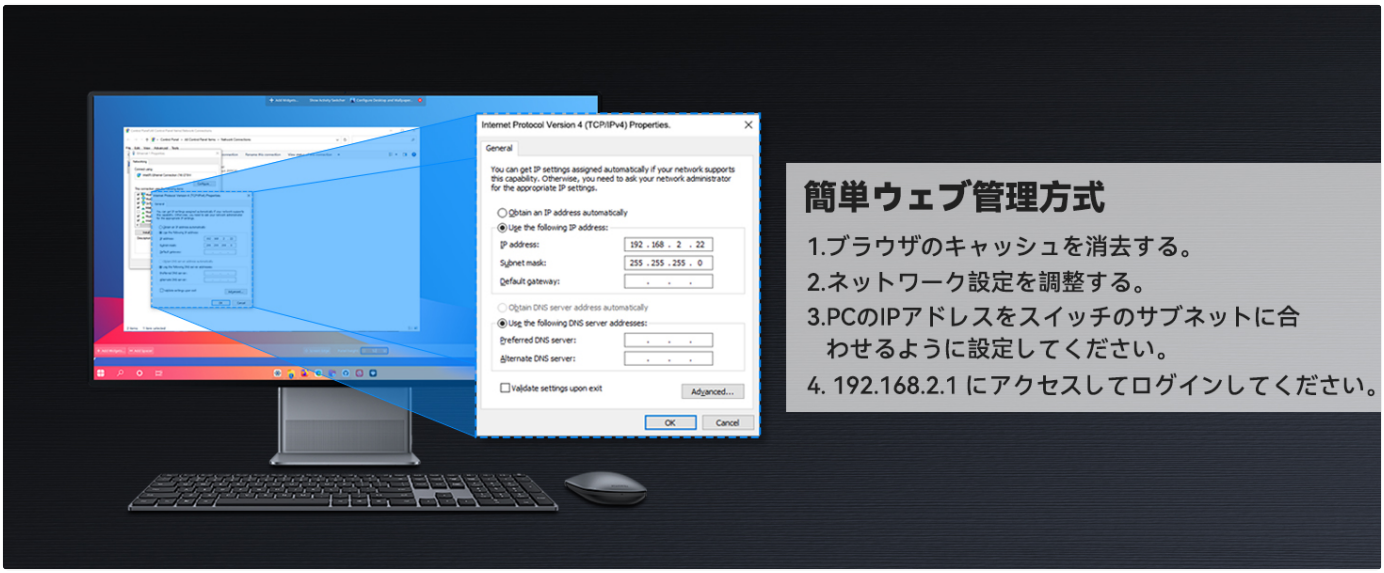


Image 6.1: A visual guide to accessing the web management interface, showing the default IP address and login credentials.

6.2 Key Management Features

The web interface provides access to various network management functions:

- **VLAN (Virtual Local Area Network):** Segment your network for improved security and performance.
- **QoS (Quality of Service):** Prioritize network traffic to ensure smooth performance for critical applications like voice and video.
- **IGMP Snooping:** Optimize multicast traffic delivery, especially useful for IPTV and streaming services.
- **Link Aggregation (LACP):** Combine multiple physical links into a single logical link for increased bandwidth and redundancy.
- **Port Mirroring:** Monitor network traffic by sending a copy of packets from one port to another.
- **Jumbo Frame Support:** Improve efficiency for large data transfers.
- **MAC Address Management:** Control access based on MAC addresses.
- **Loop Protocol:** Prevent network loops.



Image 6.2: A screenshot of the switch's web management interface, displaying options for port settings, VLAN, QoS, and other advanced features.

6.3 Applying and Saving Settings

After making any changes in the web management interface, it is crucial to apply and save them. Failure to do so may result in the settings reverting to default after a reboot.

1. Click the "Apply" button to activate the changes.
2. Click the "Save" button to permanently store the configuration.



Image 6.3: An illustration highlighting the 'Apply' and 'Save' buttons within the web management interface, emphasizing the importance of saving configuration changes.

7. Maintenance

The SODOLA 2.5Gbps Web Managed 10-Port Switch is designed for low maintenance. Its fanless design ensures silent operation and reduces dust accumulation.

- **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 holes on the sides of the switch are not blocked to allow for proper heat dissipation.
- **Firmware Updates:** Check the manufacturer's website periodically for firmware updates to ensure optimal performance and security.

8. Troubleshooting

If you encounter issues with your switch, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No Power LED	Power adapter not connected or faulty; power outlet not working.	Ensure power adapter is securely connected. Test power outlet with another device. Try a different power adapter if available.
No Link/Act LED for a connected device	Cable faulty or improperly connected; device not powered on or faulty; incorrect SFP+ module.	Check cable connections. Try a different Ethernet cable. Ensure the connected device is powered on and functioning. For SFP+ ports, ensure the module is correctly inserted and compatible.
Cannot access Web Management Interface	Incorrect IP address or subnet on PC; wrong login credentials; switch IP address changed.	Verify your PC's IP address is in the same subnet as the switch (default 192.168.2.1). Clear browser cache. Use default username 'admin' and password 'admin'. If the IP was changed and forgotten, perform a factory reset using the reset button.

Problem	Possible Cause	Solution
Network performance is slow	Cable quality; network congestion; device limitations.	Ensure you are using CAT6 or higher cables for 2.5Gbps connections. Check for other high-bandwidth activities on the network. Ensure connected devices support 2.5Gbps or 10Gbps speeds.

If the problem persists after trying these solutions, please contact SODOLA technical support for further assistance.

9. Specifications



Image 9.1: A detailed diagram outlining the technical specifications of the SODOLA 2.5Gbps Web Managed 10-Port Switch, including dimensions and performance metrics.

Feature	Detail
Model	SL-8T2XS-WEB-JP
Ports	8x 2.5G RJ45, 2x 10G SFP+
Switch Type	Managed (Web-based)
Switching Capacity	80Gbps
Packet Forwarding Rate	59.52Mpps
Packet Buffer	8Mbit
MAC Address Table	4K
Jumbo Frame	Supported
Surge Protection	4KV
Power Input	DC 12V 1A
Motherboard Power Consumption	11.44W

Feature	Detail
Operating Temperature	0~40°C
Color	Black
Compatible Devices	Desktops, Laptops, Routers, 2.5G WiFi 6 AP, 2.5G NAS, 2.5G PCIe Adapters, Servers, Printers

10. Warranty and Support

SODOLA is committed to providing excellent customer experience and support.

- **Warranty:** This product comes with a 1-year warranty for free product exchange in case of defects.
- **Technical Support:** Lifetime technical support is provided for this product.

For any inquiries or technical assistance, please contact SODOLA customer service through your purchase platform or the official SODOLA website.

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Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

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