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## Linksys SRW224

# Linksys SRW224 24-Port 10/100 + 2-Port Gigabit Switch with WebView User Manual

Model: SRW224

## 1. INTRODUCTION

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This manual provides comprehensive instructions for the Linksys SRW224 24-Port 10/100 + 2-Port Gigabit Switch with WebView. It covers installation, configuration, operation, maintenance, and troubleshooting to ensure efficient and reliable network performance. Please read this manual thoroughly before operating the device.

## 2. PRODUCT OVERVIEW

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The Linksys SRW224 is a high-performance network switch designed for small to medium-sized businesses. It offers 24 10/100 Ethernet ports for connecting workstations and other network devices, along with two integrated 10/100/1000BaseTX Gigabit ports for high-speed connections to a network backbone or other switches. Additionally, it includes a mini GBIC port for future expansion using alternate transmission media like optical fiber. The switch features WebView for monitoring and configuration via a web browser, supporting 64 VLANs and up to 7 trunking groups. A console port is also available for configuration.



Figure 2.1: Front view of the Linksys SRW224 24-Port 10/100 + 2-Port Gigabit Switch.

## 3. KEY FEATURES

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- **24 Auto-Sensing 10/100 Ports:** Full-duplex, auto MDI/MDI-X ports for flexible device connectivity.
- **2 Gigabit (10/100/1000 BaseTX) Ports:** MDI/MDI-X ports for high-speed backbone connections.
- **Mini GBIC Expansion Port:** Allows for future expansion with fiber optic or other media.
- **WebView Management:** Remote monitoring and configuration via a standard web browser.
- **Advanced Network Features:** Supports 64 VLANs and 7 port trunking groups.
- **Console Port:** Provides an alternative method for switch configuration.
- **Quality of Service (QoS):** 802.1p support with two queues per port for traffic prioritization.
- **Non-Blocking, Wire-Speed Switching:** Ensures maximum data throughput.
- **Data Flow Control:** Helps prevent packet collisions and ensures efficient data transfer.
- **Security Features:** Includes broadcast storm suppression, hardware MAC address learning, packet filtering, and port security.
- **Rack-Mountable Design:** Includes hardware for easy installation into a standard equipment rack.

## 4. SETUP

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### 4.1 Package Contents

Verify that your package contains the following items:

- Linksys SRW224 24-Port 10/100 + 2-Port Gigabit Switch
- Power Cord
- Rack-Mounting Hardware
- Documentation CD (if applicable)
- Quick Installation Guide (if applicable)

### 4.2 Physical Installation

1. **Rack Mounting:** Use the included rack-mounting hardware to secure the SRW224 switch into a standard 19-inch equipment rack. Ensure adequate ventilation around the unit.
2. **Power Connection:** Connect the power cord to the power inlet on the rear of the switch and then to a grounded electrical outlet.
3. **Network Connections:**
  - Connect your 10/100 Mbps network devices (workstations, servers, printers) to any of the 24 10/100 ports on the front panel using standard Ethernet cables.
  - Connect to your network backbone or other Gigabit-enabled switches using the two 10/100/1000BaseTX Gigabit ports.
  - For fiber optic expansion, insert a compatible mini GBIC module into the mini GBIC port and connect the appropriate fiber optic cable.



Figure 4.1: Front panel indicators and ports. The Link/Act LEDs indicate connection status and activity for each port, while the System LED shows overall device status.



Figure 4.2: Rear panel connectivity options, including the console port for direct management, Gigabit Ethernet port, and miniGBIC slot for fiber expansion.

### 4.3 Initial Configuration

The SRW224 can be configured via its console port or through the WebView interface.

1. **Console Port Configuration:** Connect a serial cable from your computer to the console port on the rear of the switch. Use a terminal emulation program (e.g., PuTTY) with appropriate settings (typically 9600 baud, 8 data bits, no parity, 1 stop bit, no flow control) to access the command-line interface.
2. **WebView Configuration:**
  - Ensure your computer is connected to one of the switch's 10/100 ports.
  - The switch will typically obtain an IP address via DHCP or use a default IP address (refer to the Quick Installation Guide for the default IP if DHCP is not available).
  - Open a web browser and enter the switch's IP address.
  - Log in using the default credentials (if any) or the credentials you set during initial setup.
  - *Important Note on Passwords:* The SRW224 switch supports passwords up to six characters in length. If you attempt to set a password longer than six characters, it will be truncated without notification. If you encounter login issues, try using only the first six characters of your intended password.

## 5. OPERATING INSTRUCTIONS

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### 5.1 Basic Operation

Once powered on and connected, the SRW224 switch operates automatically to forward network traffic. The Link/Act LEDs on the front panel indicate the connection status and activity for each port. A solid green light typically means a link is established, while a blinking light indicates data activity.

### 5.2 Advanced Configuration (WebView)

The WebView interface provides access to advanced features and settings.

- **VLAN Management:** Configure up to 64 Virtual Local Area Networks (VLANs) to segment your network for improved security and performance.
- **Port Trunking (Link Aggregation):** Create up to 7 port trunking groups to combine multiple physical links into a single logical link, increasing bandwidth and providing redundancy.
- **Quality of Service (QoS):** Prioritize network traffic using 802.1p QoS, ensuring critical applications receive sufficient bandwidth. The switch supports two QoS queues per port.
- **Data Flow Control:** Enable or disable flow control to manage data transmission rates and prevent packet loss during network congestion.
- **Broadcast Storm Suppression:** Configure settings to prevent broadcast storms from overwhelming the network.
- **MAC Address Management:** The switch performs hardware MAC address learning. You can also configure static MAC addresses and port security settings.
- **Packet Filtering:** Implement packet filtering rules to control network access and enhance security.

## 6. MAINTENANCE

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To ensure the longevity and optimal performance of your Linksys SRW224 switch, follow these maintenance guidelines:

- **Keep Clean:** Regularly clean the exterior of the switch with a soft, dry cloth. Avoid using liquid cleaners or solvents.
- **Ensure Ventilation:** Make sure the ventilation openings are clear and not obstructed. Proper airflow is crucial to prevent overheating.
- **Firmware Updates:** Periodically check the Linksys support website for firmware updates. Applying updates

can improve performance, add features, and fix bugs.

- **Environmental Conditions:** Operate the switch within its specified temperature and humidity ranges.

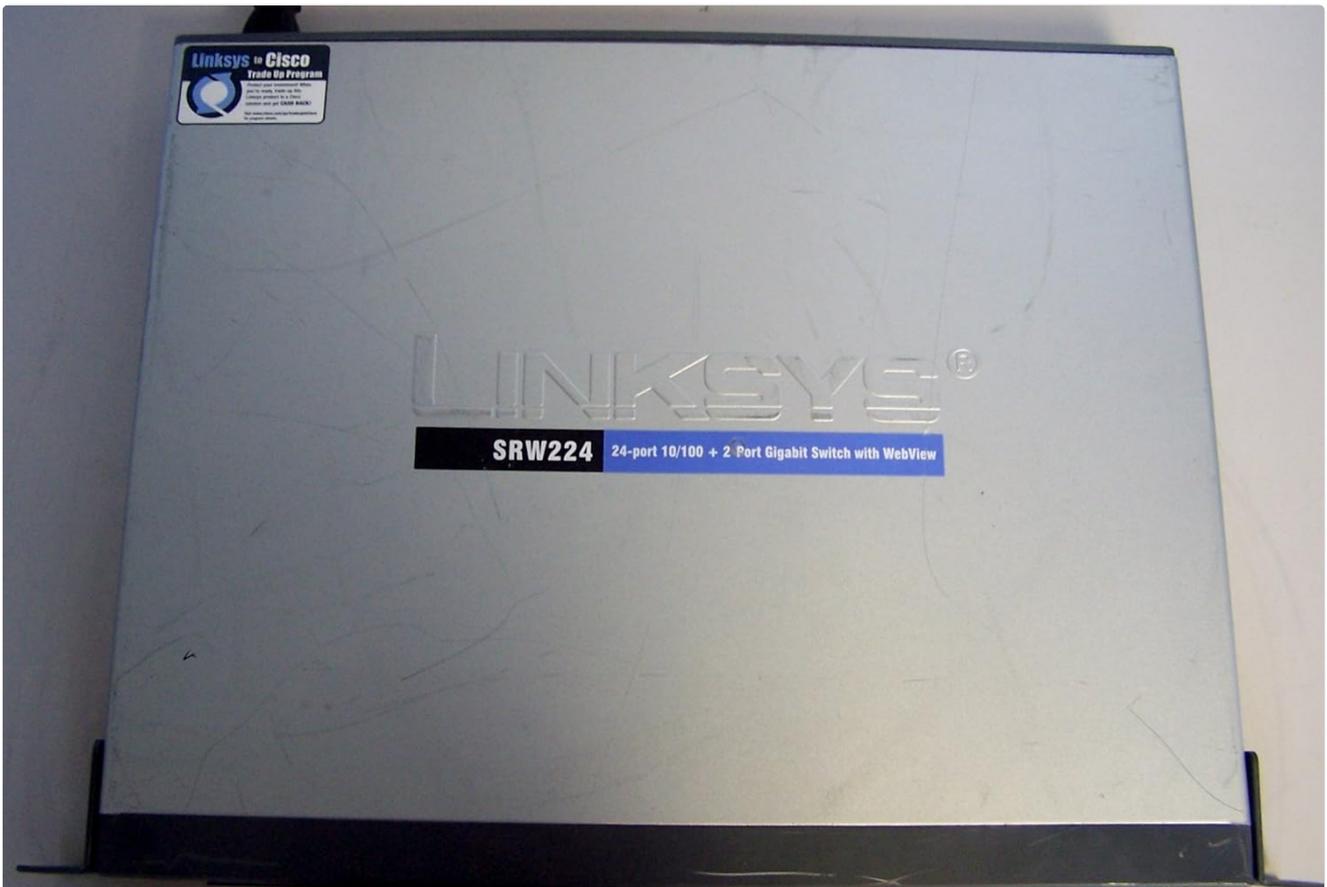


Figure 6.1: Top view of the SRW224 switch, showing the Linksys branding and model number. Ensure this surface and surrounding areas are clear for proper heat dissipation.

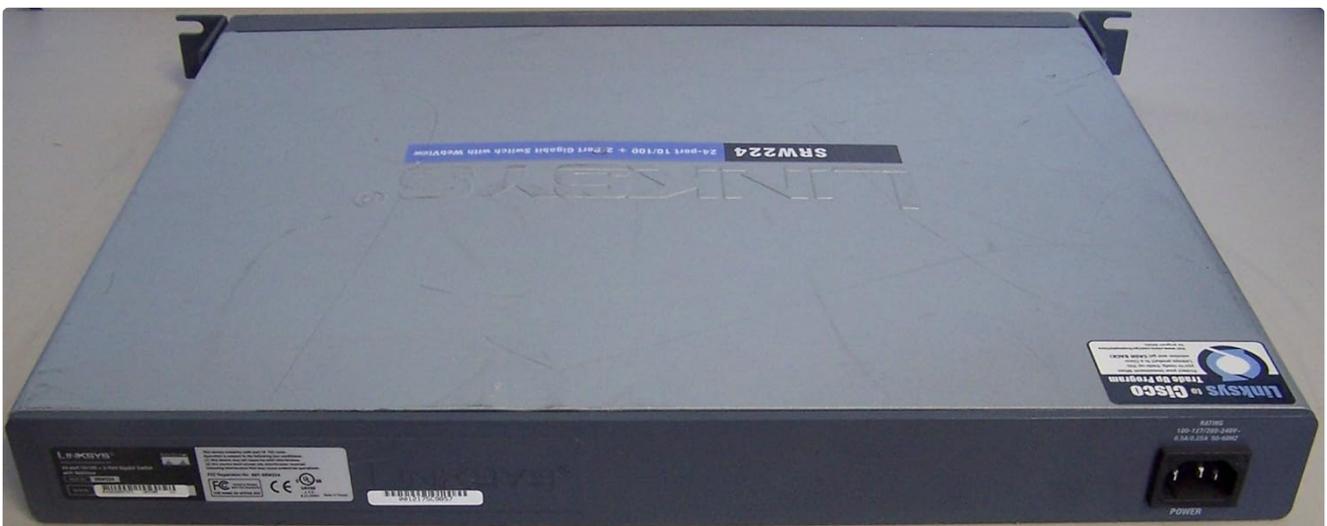


Figure 6.2: Rear view of the SRW224 switch, highlighting the power input and the product information label.



Figure 6.3: Detailed view of the product label, displaying the Model No: SRW224 and Serial No: [RHG0058001572](#). This information is essential for product registration and support.

## 7. TROUBLESHOOTING

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### 7.1 Common Issues and Solutions

- **Cannot Access WebView Interface:**
  - Verify that your computer is on the same network segment as the switch.
  - Check the switch's IP address. If it's not known, try connecting via the console port to determine or configure it.
  - Ensure there are no IP address conflicts on your network.
  - Clear your browser's cache or try a different browser.
- **Login Password Issues:**
  - If you cannot log in after setting a password, remember that the SRW224 only supports passwords up to six characters. If your password was longer, try using only the first six characters.
  - There is no external hardware reset button for the password. If the password is lost and the 6-character truncation workaround does not work, you may need to contact Linksys support for advanced recovery options, which might involve a factory reset procedure that erases all configurations.
- **No Link/Activity on a Port:**
  - Check the Ethernet cable connection at both ends. Try a different cable.
  - Ensure the connected device is powered on and functioning correctly.
  - Verify that the port on the switch is not disabled in the configuration.
  - Check for compatibility issues between the switch port and the connected device's network adapter.
- **Slow Network Performance:**
  - Check for network congestion.
  - Verify duplex settings on both the switch port and the connected device. Mismatched duplex settings can cause performance degradation.
  - Ensure QoS settings are correctly configured to prioritize critical traffic.
  - Check for broadcast storms or loops in the network topology.

## 8. SPECIFICATIONS

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Feature	Specification
<b>Brand</b>	Linksys
<b>Model Number</b>	SRW224
<b>Number of Ports</b>	24 x 10/100, 2 x 10/100/1000 (Gigabit)
<b>Expansion Ports</b>	1 x mini GBIC
<b>Data Transfer Rate</b>	Up to 2 Gigabits Per Second (Gigabit ports)
<b>Switch Type</b>	Managed (WebView)
<b>Interface</b>	RJ45, Console Port
<b>Compatible Devices</b>	Desktop, Servers, Network Devices
<b>Item Weight</b>	10 Pounds (approx. 4.54 kg)
<b>Voltage</b>	64 Volts (Internal power supply converts to operational voltage)
<b>Platform</b>	Not Machine Specific
<b>Case Material Type</b>	Plastic (Chassis is likely metal, but some components might be plastic)
<b>UPC / GTIN</b>	745883560189

## 9. WARRANTY AND SUPPORT

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For information regarding the product warranty, please refer to the warranty card included with your product or visit the official Linksys website.

If you encounter issues that cannot be resolved using the troubleshooting steps in this manual, please contact Linksys Technical Support. Have your product model number (SRW224) and serial number (e.g., [RHG0058001572](#)) ready when contacting support.

You can find support resources, FAQs, and contact information on the official Linksys website:

<https://www.linksys.com/us/support/>