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Linksys SR2024

Linksys SR2024 24-Port 10/100/1000 Gigabit Switch User Manual

Model: SR2024

Introduction

The Linksys SR2024 is a 24-port 10/100/1000 Gigabit Switch designed to provide high-speed network connectivity for various applications. This unmanaged switch offers a straightforward solution for expanding your network infrastructure, supporting both existing 10/100 Mbps devices and new Gigabit-capable equipment. It is suitable for converting current networks to next-generation speeds or building new high-performance networks.



Figure 1: Front view of the Linksys SR2024 24-Port 10/100/1000 Gigabit Switch, showing the Linksys branding, model number, 24 RJ45 ports, and two mini-GBIC ports.

Setup and Installation

Package Contents

Verify that your package contains the following items:

- Linksys SR2024 24-Port 10/100/1000 Gigabit Switch
- AC power cord
- User guide with online registration card

- Set of rack-mounting brackets

Physical Installation

The SR2024 switch is designed for rack-mount installation. Use the included rack-mounting brackets to secure the switch in a standard server rack. Ensure adequate ventilation around the device to prevent overheating.

1. Attach the rack-mounting brackets to the sides of the switch using the provided screws.
2. Secure the switch into an available slot in your server rack.
3. Connect the AC power cord to the power input on the rear of the switch and then to a power outlet.
4. Connect your network devices (computers, servers, access points, etc.) to the RJ45 ports on the front of the switch using standard Ethernet cables.
5. For fiber-optic connections, insert compatible mini-GBIC modules into the two mini-GBIC ports and connect fiber-optic cables as needed.

Initial Power-On

Once all connections are made, power on the switch. The SR2024 is an unmanaged switch, meaning it operates without requiring complex configuration. It will automatically detect connected devices and negotiate the appropriate speed (10/100/1000 Mbps) and duplex mode (half or full).

Operating Instructions

Basic Functionality

The Linksys SR2024 switch provides plug-and-play functionality. Simply connect your network devices, and the switch will automatically handle data traffic. It supports auto-negotiation for speed and duplex settings, eliminating the need for manual configuration.

LED Indicators

The switch features LED indicators for each port, providing real-time status updates:

- **Link/Act LED:** Indicates a successful network connection (link) and flashes to show data activity (act).
- **Speed LED:** Typically indicates the connection speed (e.g., green for Gigabit, amber for 10/100 Mbps). Refer to the detailed user guide for specific LED behavior.

Gigabit Connectivity

The 10/100/1000 Gigabit Ethernet ports deliver high-speed connectivity, crucial for bandwidth-intensive applications, large file transfers, and multimedia streaming. The switch intelligently supports existing 10/100 Mbps clients while providing full Gigabit speeds for compatible devices.

Extended Capabilities (Mini-GBIC Ports)

Two mini Gigabit Interface Converter (mini-GBIC) ports are included for network expansion. These ports allow for fiber-optic connectivity, enabling longer-distance connections to other network switches or devices, which can be beneficial in larger network environments.

Maintenance

The Linksys SR2024 switch requires minimal maintenance. Keep the device in a clean, dry environment with adequate airflow. Regularly check for dust accumulation around ventilation openings and clean as necessary to ensure optimal

performance and longevity.
While designed for robust operation, some users have noted that the internal fans can produce noticeable noise. This is a characteristic of the device and generally does not indicate a malfunction, provided the switch is operating within specified temperature ranges.

Troubleshooting

If you encounter issues with your Linksys SR2024 switch, consider the following troubleshooting steps:

- **No Power:** Ensure the power cord is securely connected to both the switch and a working power outlet.
- **No Link Light:** Verify that the Ethernet cable is properly connected to both the switch port and the connected device. Try a different cable or port. Ensure the connected device is powered on and functioning correctly.
- **Slow Network Speed:** Confirm that both the switch port and the connected device support Gigabit Ethernet for optimal performance. Check cable quality; damaged or low-quality cables can degrade performance.
- **Intermittent Connectivity:** Check all cable connections for looseness. Ensure the switch is not overheating due to obstructed ventilation.
- **Device Not Connecting:** Power cycle both the switch and the connected device.

For further assistance, refer to the comprehensive user guide included with your product or visit the Linksys support website.

Specifications

Feature	Detail
Brand	Linksys
Model Number	SR2024
Number of Ports	24 x 10/100/1000 Mbps RJ45, 2 x Mini-GBIC
Data Transfer Rate	1 Gigabit Per Second (per port)
Interface Type	RJ45, Mini-GBIC
Product Dimensions	13.74 x 17.01 x 1.77 inches
Item Weight	6.2 pounds
Case Material	Metal
Compatible Devices	Desktop, Servers, Network Devices

Warranty and Support

The Linksys SR2024 switch comes with a limited lifetime hardware warranty, which includes return to factory replacement. Fans and power supplies are covered by a 1-year limited warranty. For detailed warranty terms and conditions, please refer to the official documentation included with your product or visit the Linksys support website. For technical support, product registration, and additional resources, please visit the official Linksys support portal. Keep your product's serial number and purchase information readily available when contacting support.

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