

Manuals+

[Q & A](#) | [Deep Search](#) | [Upload](#)

manuals.plus /

- › [Juniper Networks](#) /
- › [Juniper Networks SRX300-SYS-JB Router User Manual](#)

Juniper Networks SRX300-SYS-JB

Juniper Networks SRX300-SYS-JB Router User Manual

Model: SRX300-SYS-JB

1. INTRODUCTION

This manual provides essential information for the installation, operation, and maintenance of your Juniper Networks SRX300-SYS-JB Services Gateway. The SRX300-SYS-JB is a high-performance security, routing, and switching platform designed for small to medium-sized distributed enterprises. It offers advanced security features, including firewall, VPN, and unified threat management (UTM), along with robust routing capabilities.

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

2. SAFETY INFORMATION

Observe the following safety precautions to prevent injury and damage to the device:

- Ensure the device is installed in a well-ventilated area to prevent overheating.
- Use only the power adapter supplied with the device.
- Do not expose the device to water or excessive humidity.
- Avoid placing the device near heat sources or in direct sunlight.
- Disconnect power before cleaning or performing any maintenance.
- This device should be serviced only by qualified personnel.

3. PACKAGE CONTENTS

Verify that your package contains the following items. If any item is missing or damaged, contact your vendor immediately.

- Juniper Networks SRX300-SYS-JB Services Gateway
- AC Power Adapter
- Power Cord
- Ethernet Cable
- Rackmount Kit (optional, may vary by region/bundle)
- Quick Start Guide

4. HARDWARE OVERVIEW

The Juniper Networks SRX300-SYS-JB features multiple ports and indicators for network connectivity and status monitoring.



Figure 1: Front view of the Juniper Networks SRX300-SYS-JB Services Gateway. This image displays the front panel of the router, showing the various network ports, status indicator LEDs, and the console port. The device is a compact, rectangular unit, typically black or dark gray, designed for rack or desktop placement.

4.1 Front Panel

- **Network Ports:** The SRX300-SYS-JB is equipped with 6 Gigabit Ethernet ports (RJ45) for connecting to your local area network (LAN) and wide area network (WAN).
- **Management Port:** A dedicated management port (RJ45) provides out-of-band access for device configuration and monitoring.
- **Console Port:** An RJ45 console port allows for direct serial connection for initial configuration and troubleshooting.
- **Status LEDs:** Various LED indicators display the power status, system health, and port activity.

4.2 Rear Panel

- **Power Input:** Connector for the external AC power adapter.

- **Grounding Point:** For connecting a grounding wire to ensure electrical safety.

5. SETUP AND INSTALLATION

Follow these steps to set up your Juniper Networks SRX300-SYS-JB Services Gateway.

5.1 Physical Installation

1. **Mounting:** Place the device on a stable, flat surface or install it in a standard 19-inch equipment rack using the provided rackmount kit (if applicable). Ensure adequate airflow around the device.
2. **Grounding:** Connect a grounding wire from the grounding point on the rear panel to a suitable earth ground.

5.2 Connecting Power

1. Connect the AC power adapter to the power input on the rear panel of the SRX300-SYS-JB.
2. Plug the power cord into a grounded electrical outlet.
3. The device will power on automatically. Observe the power LED on the front panel.

5.3 Initial Network Connection

1. **Console Connection:** For initial configuration, connect a console cable from your management workstation to the console port on the SRX300-SYS-JB. Configure your terminal emulator with the following settings: 9600 baud, 8 data bits, no parity, 1 stop bit, no flow control.
2. **Management Port Connection:** Alternatively, connect an Ethernet cable from your management workstation to the dedicated management port. Ensure your workstation is configured with an IP address in the same subnet as the device's default management IP (refer to the Quick Start Guide for default IP).
3. **Network Connections:** Connect your WAN (Internet) and LAN (internal network) cables to the appropriate Gigabit Ethernet ports as per your network design.

6. OPERATING INSTRUCTIONS

This section outlines basic operational procedures for the SRX300-SYS-JB.

6.1 Accessing the Device

The SRX300-SYS-JB can be managed via the command-line interface (CLI) through the console port or SSH, or via the J-Web graphical user interface (GUI) through a web browser.

- **CLI Access:** Use a terminal emulator (e.g., PuTTY, Tera Term) to connect to the console port or SSH to the device's management IP address.
- **J-Web GUI Access:** Open a web browser and navigate to the device's management IP address (e.g., <https://192.168.1.1>).

6.2 Basic Configuration

Upon first access, you will typically need to perform initial configuration steps, which may include:

- Setting a root password.
- Configuring network interfaces (IP addresses, subnets).
- Setting up basic security policies (firewall rules).
- Configuring system services (NTP, DNS).

Refer to the Juniper Networks documentation portal for detailed configuration guides specific to Junos OS and the SRX300 series.

7. MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your SRX300-SYS-JB.

- **Firmware Updates:** Periodically check the Juniper Networks support website for the latest Junos OS firmware updates. Apply updates to benefit from new features, security patches, and bug fixes.
- **Configuration Backup:** Regularly back up your device configuration to an external storage device or network location.
- **Environmental Checks:** Ensure the operating environment remains within specified temperature and humidity ranges. Keep ventilation openings clear of obstructions.
- **Cleaning:** Use a soft, dry cloth to clean the exterior of the device. Do not use liquid or aerosol cleaners.

8. TROUBLESHOOTING

This section provides solutions to common issues you might encounter.

8.1 No Power

- Verify the power cord is securely connected to both the device and the electrical outlet.
- Ensure the electrical outlet is functional by testing it with another device.
- Check the power adapter for any visible damage.

8.2 Cannot Access Management Interface

- Confirm your management workstation's IP address is in the same subnet as the device's management IP.
- Check the physical Ethernet connection to the management port.
- If using the console port, verify terminal emulator settings (baud rate, data bits, etc.).
- Ensure no firewall rules are blocking access to the management interface.

8.3 Network Connectivity Issues

- Check cable connections for all network ports.
- Verify interface status LEDs are active.
- Review your firewall policies and routing configurations.
- Test connectivity from devices connected to the SRX300-SYS-JB.

9. SPECIFICATIONS

Feature	Detail
Brand	Juniper Networks
Model	SRX300-SYS-JB
Number of Ports	6 Gigabit Ethernet (RJ45) + 1 Management Port (RJ45)
Interface Type	RJ45
Compatible Devices	Personal Computer, Network Devices
Item Weight	9.35 pounds (4.24 kg)
ASIN	B07ZJWSKWL
GTIN / UPC	658909668656
First Available Date	October 24, 2019

10. WARRANTY AND SUPPORT

For detailed warranty information, please refer to the warranty statement included with your product or visit the official Juniper Networks website. Juniper Networks provides comprehensive technical support and resources for its products.

- **Online Support:** Visit the Juniper Networks support portal for documentation, knowledge base articles, and software downloads.
- **Technical Assistance:** Contact Juniper Networks technical support for assistance with product issues. Have your product model and serial number ready.

Note: Warranty terms and support options may vary by region and product purchase agreement.

