Raritan DSX2-32M

Raritan Dominion SX II DSX2-32M Console Server User Manual

Model: DSX2-32M

INTRODUCTION

The Raritan Dominion SX II DSX2-32M is a powerful and secure serial console server designed to provide IT and network administrators with secure IP access and control of serial devices. This manual provides essential information for the setup, operation, maintenance, and troubleshooting of your Dominion SX II DSX2-32M unit.
It offers convenient access to networking devices, servers, PDUs (Power Distribution Units), telecommunications equipment, and other serial devices, ensuring reliable remote management capabilities.

PRODUCT OVERVIEW

Figure 1: Front view of the Raritan Dominion SX II DSX2-32M Console Server. The device is a 1U rack-mountable unit, dark gray in color, with a perforated front panel for ventilation. The Raritan logo is visible on the left, and "DSX2-32" is printed on the right side of the front panel.

The Dominion SX II DSX2-32M is a 1U rack-mountable console server, featuring 32 serial ports. It supports various network connections including 10Mb LAN, 100Mb LAN, GigE, and PPP, facilitating comprehensive remote management of serial devices.

SETUP

1. Unpacking and Inspection

- Carefully remove the Dominion SX II from its packaging.

- Inspect the unit for any signs of physical damage. If damage is found, contact your vendor immediately.

- Verify that all components listed in the packing slip are present.

2. Rack Mounting

The DSX2-32M is designed for standard 19-inch rack mounting. Use the provided rack-mount kit to secure the unit in your equipment rack. Ensure adequate ventilation around the unit to prevent overheating.

3. Power Connection

- Connect the provided power cord to the power inlet on the rear of the Dominion SX II.
- Plug the other end of the power cord into a grounded electrical outlet or a UPS (Uninterruptible Power Supply).
- The unit will power on automatically.

4. Network Connection

- Connect an Ethernet cable from your network switch or router to one of the Ethernet ports on the rear of the Dominion SX II.
- Ensure the network connection is active and configured correctly for your network environment.

5. Serial Device Connection

- Connect your serial devices (e.g., servers, routers, switches, PDUs) to the serial ports on the Dominion SX II using appropriate serial cables (e.g., RJ45 to DB9/DB25 adapters).
- Note the port number for each connected device for later configuration.

OPERATING INSTRUCTIONS

1. Initial Access and Configuration

Upon initial power-up, the Dominion SX II can be accessed via a direct serial connection to its console port or via its default IP address (if DHCP is not available or configured). Refer to the Raritan documentation for detailed initial setup procedures, including setting up network parameters and user accounts.

2. Remote Access

Once configured, the Dominion SX II allows secure remote access to connected serial devices via SSH, Telnet, or a web browser interface. Use your configured IP address and credentials to log in.

3. Managing Serial Ports

Through the web interface or command-line interface (CLI), you can:

- Configure serial port parameters (baud rate, data bits, parity, stop bits, flow control).
- Establish console sessions to connected devices.
- Monitor port status and activity.
- Implement security settings for each port.

MAINTENANCE

1. Firmware Updates

Regularly check the Raritan 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 package for a safe update process.

2. Cleaning

To clean the exterior of the unit, use a soft, dry cloth. Do not use liquid or aerosol cleaners, as they may damage the unit. Ensure the unit is powered off before cleaning.

3. Environmental Considerations

Ensure the operating environment remains within the specified temperature and humidity ranges. Proper airflow around the unit is crucial for long-term reliability.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Unit does not power on.	No power to the unit.	Check power cord connection and power outlet. Verify power source is active.
Cannot access unit via network.	Incorrect IP configuration; Network cable issue; Firewall blocking access.	Verify IP address, subnet mask, and gateway settings. Check Ethernet cable connection. Ensure no firewall rules are blocking ports. Try pinging the unit.
Cannot connect to serial device.	Incorrect serial cable; Incorrect serial port settings; Device not responding.	Ensure correct serial cable type (straight-through vs. null modem) and pinout. Verify baud rate, data bits, parity, and stop bits match the connected device. Check if the serial device is powered on and functioning.

For further assistance, refer to the comprehensive troubleshooting guide available on the Raritan support website or contact Raritan technical support.

SPECIFICATIONS

Model: DSX2-32M

Ports: 32 Serial Ports

Network Interfaces: 10Mb LAN, 100Mb LAN, GigE, PPP

Form Factor: 1U Rack-mountable

Dimensions (Approx.): Standard 1U rack width and depth.

Weight: 13.1 pounds

Manufacturer: Raritan
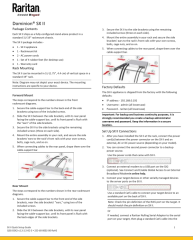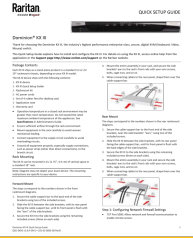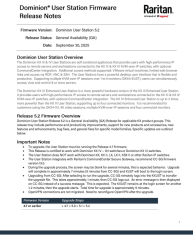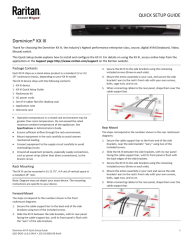
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WARRANTY AND SUPPORT

Raritan products typically come with a standard manufacturer's warranty. For specific warranty terms and conditions applicable to your Dominion SX II DSX2-32M, please refer to the warranty card included with your product or visit the official Raritan website.

For technical support, product documentation, drivers, and firmware updates, please visit the Raritan Support Portal. You may also contact their customer service for direct assistance.

Consider purchasing extended protection plans for additional coverage beyond the standard warranty period.

Related Documents - DSX2-32M

[Raritan Dominion SX II User Guide](#)

Comprehensive user guide for the Raritan Dominion SX II Serial Console Server, detailing features, specifications, installation, management, and security for IT infrastructure.

[Raritan SX II Quick Setup Guide](#)

A concise guide to setting up and configuring the Raritan SX II serial console server, covering package contents, rack mounting, network configuration via CLI and web browser, and port setup.

[Raritan Dominion KX III Quick Setup Guide](#)

Step-by-step instructions for installing and configuring the Raritan Dominion KX III digital KVM switch, including network setup, hardware connections, and basic configuration.

[Dominion User Station Firmware Release Notes v5.2](#)

Release notes for Raritan Dominion User Station firmware version 5.2, detailing new features, enhancements, bug fixes, and upgrade prerequisites for KVM-over-IP switches.

[Raritan Dominion KX III Quick Setup Guide](#)

This guide provides instructions for installing and configuring the Raritan Dominion KX III, a high-performance enterprise-class digital KVM switch. It covers package contents, rack mounting, network setup, target server connection, and remote console access.

[Raritan Dominion KX IV-101 (DKX4-101) Quick Setup Guide](#)

This guide provides instructions for installing and configuring the Raritan Dominion KX IV-101 (DKX4-101) KVM switch, including package contents, device views, connection steps, and initial setup options.