

Dominion® SX II Firmware Release Notes



Firmware Version: SX II 2.6

Release Status: General Availability (GA)

Date: December 19, 2025

Dominion SX II Overview

The SX II is Raritan’s Serial Console Server that provides IT and network administrators secure IP access and control of serial devices, anytime, anywhere.

Release 2.6 Firmware Overview

Dominion SX II Release 2.6 is a General Availability (GA) Release for applicable SX II products groups. This release may include performance and productivity improvements, support for new products and accessories, new features and enhancements, bug fixes, and general fixes for specific model families. Specific updates are outlined below.

Important Note

<i>Firmware Version</i>	<i>Upgrade Steps</i>
2.5 or earlier	» 2.5 or earlier » 2.6

Please contact technical support with any questions or issues.

Applicability

This firmware release applies to the following Dominion SX II models:

<i>Product Group</i>	<i>Applicable Brand: Model</i>
Dominion SX II Models	Raritan – No Telephone Modem: DSX2-4, DSX2-16, DSX2-32, DSX2-48
	Raritan – Internal Telephone Modem: DSX2-4M, DSX2-8M, DSX2-16M, DSX2-32M, DSX2-48M
	Raritan – DC Powered Modem: DSX2-8M-DC, DSX2-32M-DC, DSX2-48M-DC

General Guidelines for this Release

Please check the **Support & Compatibility** section below. Or contact Raritan Support if you are unsure of the model number of your unit, it is typically viewable from the GUI's *Device Information* page and is also printed on a label located on the device.

Release Highlights

This is the final new feature release for Dominion SX II. We will continue to support DSX2 through December 31, 2027.

New Features & Enhancements

<i>Issue ID</i>	<i>Description</i>
80591	Modify Login Security Banner
80891	Support OpenSSL 3.0.12+
80892, 82360, 84128, 84131, 86241	Security Enhancements
83562	Remove Prompt for Anonymous DPA Connection via IP (Telnet port)
83658	Port Logging Output File Formatting
83875, 86998	Connect to Targets Using CLI
83914, 86157, 87002	Raw TCP over Serial Support
85384, 87000	Group Permission for Port Setting Changes
86039, 86999	Configure Ports from the Remote Console
86200	Ability to Disable SHA-1
86353, 87003	New Network Config & Diagnostic Options
87007	SNMPv3 Supports AES 256

Please consult the appropriate User Guide for more information on these firmware features at raritan.com/support.

Dominion SX II Documentation

The following user documentation is available for the Dominion SX II:

- Dominion SX II User Guide – guide to the SX II's user interfaces and general usage.
- Dominion SX II Quick Setup Guide –for the initial setup of the SX II.

The Dominion SX II documentation is available from the SX II web-based user interface and on the Raritan.com website: www.raritan.com. Go to the Support section and select Dominion SX II. Click on the appropriate release. Historical firmware version downloads can be found on raritan.com/support.

Dominion SX II Online Help

An Online Help System is available. Click on Help – Online Help in the left-hand information panel and the Online Help system will launch. You can browse to the appropriate topic via the Contents, Index and Search tabs. The entire Dominion SX II User guide is available, including text and images, with an extensive set of links. Online help for the Raritan products is available on <http://www.raritan.com/support/online-help/>

Dominion SX II Serial Adapters

Dominion SX II can use the following serial adapters to connect to serial devices with DB9/DB25 ports and Raritan PDU's:

- ASCSDB9F: RJ-45(F) TO DB9(F) serial adapter
- ASCSDB9M: RJ-45(F) TO DB9(M) serial adapter
- ASCSDB25F: RJ-45(F) TO DB25(F) serial adapter
- ASCSDB25M: RJ-45(F) TO DB25(M) serial adapter
- CSCSPCS-1: 1' Cat5e RJ-45(M) to RJ-45(F) adapter to connect to Raritan PX or RPC rack PDUs
- CSCSPCS-10: 10' Cat5e RJ-45(M) to RJ-45(M) cable to connect to Raritan PX or RPC rack PDUs

Release 2.6 Compatibility Information

1. **CommandCenter Release 7.0 or above is required for Dominion SX II.** CommandCenter Release 7.0 (or above) is required to launch the Java-free HTML Serial Client from CommandCenter. We recommend CommandCenter Release 10.0 for use with Release 2.6 as this is the latest and best tested version.
2. **CommandCenter Releases 5.x and 6.0.x do not support Dominion SX II.**
3. **SUN Java™ Runtime Environment (JRE) version 8 is required for use of the Raritan Serial Client.**
4. The following table shows the latest Java versions system tested.

<i>JRE</i>	<i>Latest Tested Update</i>
Java 8	Update 341

Java usage recommendations:

- For best results, we recommend that Java Plug-in Caching is not enabled.
 - Raritan recommends customers upload their own SSL certificate to each SX II switch.
 - Customers need to affirmatively click through all security warnings for the Raritan Java applets to load.
 - The above JRE version information applies to Dominion SX II when used standalone. When used with CC-SG, please consult the CC-SG Release Notes and Compatibility Matrix
5. Serial devices connected to the SX II can be accessed via web User Interface

<i>Remote Serial Client</i>	<i>Description</i>
Raritan HTML Serial Client (HSC)	New non-Java-client that runs inside the web browser. This is now the default serial client. Can be invoked by the <SX II IP Address>/hsc URL

6. The following table shows the latest browser versions system tested with this release. The SX II should work with future browser versions, unless incompatible changes are made to the browsers. If you have any issues, please check the SX II and main Support Pages on raritan.com and/or call Raritan Technical Support.

<i>Browser</i>	<i>Latest Tested Version</i>
Firefox	103
Chrome	102
Microsoft Edge	104

Release 2.5 Important Notes and Information

1. **HTML Serial Client (HSC).** There are several differences between the new Java-free HSC and the existing Raritan Serial Client (RSC). A few infrequently used RSC features including Chat and Send Keystroke are not available in HSC. The Manage Favorites features, which rely on Java, are only available when using the Raritan Serial Client.
2. **Automatic DTE/DCE Detection.** When connecting to serial devices that perform Automatic DTE/DCE Detection, it may be necessary to force a SX II serial port to DTE or DCE. This can be done via the Serial Port Settings.
3. **Dual LAN Ports.** The default behavior for the two SX II LAN ports is for two independent LAN ports, not automatic failover. If you would like automatic failover instead, then change the settings on the Network Settings page or use the admin > Config > Network command. The SX II's default IP Address for LAN1 is set for 192.168.0.192 to support initial configuration via crossover cable.
4. **Factory Reset Button.** For best results when using the Reset Button on the back panel, remove the USB plug from the lower USB slot if present. A buzzer will sound when the Reset Button is pressed while the device is booting.
5. **Extending the SX II Local Port.** Use Raritan's Cat5 Reach DVI product to extend the SX II local port outside the data center. At-the-rack access is also available using the Raritan T1700-LED and T1900-LED rackmount keyboard drawers using the SX II's DVI-D and USB ports.
6. **3G/4G Wireless Modems.** The Sierra Wireless ES450 Broadband Modems is the recommended modem for emergency wireless access. Additional modems may be supported in the future. The modem is connected to the SX II via USB connection. A SIM Card is required from your wireless carrier, as well as a static IP Address for the modem. Check the User Guide or Online Help for modem configuration instructions. The Cradlepoint AER1600, IBR200 and Teltonika RUT 240 cellular modems, when connected via LAN, are also supported. Modem permissions and Failover to Modem option does not apply to LAN-based modems. Use the SX II Firewall "iptables" feature to secure access or use the modem's own firewall features. For increased security we recommend changing the name of the default "admin" account.
7. **FIPS 140-2 Encryption Module.** FIPS 140-2 Mode is supported when using the Raritan HTML Serial Client (HSC). It is not supported by non-Raritan Serial Clients, e.g. Putty.
8. **Telephone Modem.** For models with telephone modems, the SX II telephone modem is now enabled by default.
9. **Security Recommendations.** Utilize an SSH Client, instead of Telnet which does not encrypt sessions. When not using FIPS mode, set the Encryption mode to AES. Install a custom certificate on the SX II from a trusted Certificate Authority. Disable TLS v1.0 on the connecting clients and use TLS v1.3 for tighter security. Utilize the new HTML Serial Client (HSC), which does not use Java.
10. **RC4 & 3DES Encryption.** These weaker encryptions are no longer supported. Use the AES or Auto encryption modes.
11. **Automatic Configuration.** For security reasons (avoid un-authorized configuration), Automatic Configuration via USB stick or TFTP must be first enabled by the SX II administrator.
12. **Firmware Upgrade.** SX II firmware upgrade is done the same way as the other Dominion products, i.e. from the web-based GUI. The old SX FTP-based method is still available via CLI.
13. **Distance Guidelines.** For reliable serial connections, adhere to these distance guidelines from the serial device to the SX II (Cat5/6 cable):

Baud Rate	Distance (feet)
2,400	300
4,800	200
9,600	100
19,200	50
38,400	25
57,600	16
115,200	8
230,400	4

Release Package Details

The SX II 2.6 Firmware is a General Availability release package and will be posted on the Raritan support website at raritan.com/support.

Firmware Upgrades

Raritan provides new firmware upgrade releases that contain software enhancements, new features, and improvements. These upgrades are available on the Raritan Website: www.raritan.com. Please go to the Support page and click on Dominion SX II in the “Choose a Product” button, or go directly to:

<https://www.raritan.com/support/product/dominion-sx-ii-g2>

Locate the entry for the new firmware release. Release Notes are available with: (a) brief descriptions of new features/enhancements, (b) important operating instructions, and (c) firmware upgrade instructions. Follow the Release Notes instructions to upgrade the device.

Firmware Upgrade Prerequisites

If you have any questions, or do not meet the pre-requisites listed above, please STOP and contact Raritan Technical Support for further instructions. Upgrade instructions are available in the online help, <http://www.raritan.com/support/online-help/>.

Contact Us

Go to raritan.com/support for contact options.