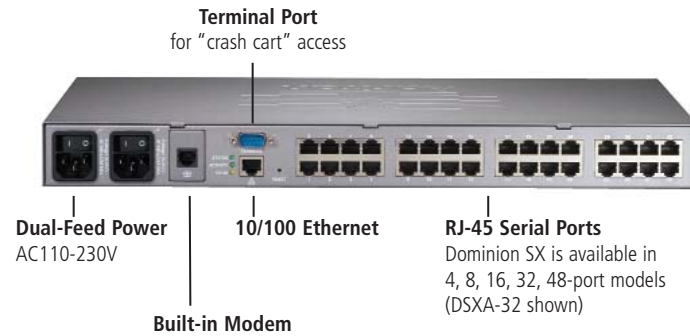


Specifications

All Dominion SX models

Form factor	1U, rack mountable (brackets included on DSX16, DSX32, DSXA-8 and DSX48)
Power	110/240VAC auto-switching: 50-60 Hz; 36-72V DC
Environmental requirements	
Operating temperature	0°C to 40°C
Humidity	20% - 85% RH non-condensing
Altitude	Operates properly at any altitude from 0 to 3000 meters
Approvals	CE, FCC Part 15 Class A, US and Canadian UL, VCCI-A
Remote connection	
Network	10/100 Ethernet (RJ-45) – one or two
Protocols	TCP/IP, PPP, PAP, HTTP, HTTPS, SSL, SSH, TACACS+, LDAP(S), RADIUS, SNMP, Kerberos
Warranty	Two years. In addition, Raritan offers two years extended warranty.



Dominion SX Models	Ports	Built-in Modem	Local Ports	Ethernet Ports	Power Supply	Dimensions - (WxDxH)	Weight
DSX4	4	No	2	1	Single-AC	290 x 270 x 44mm	2,08 kg
DSXB-4-M	4	Yes	1	1	Single-AC	290 x 270 x 44mm	2,08 kg
DSXB-4-DC	4	Yes	2	1	Single-DC	290 x 270 x 44mm	2,08 kg
DSXB-4-DCM	4	Yes	1	1	Single-DC	290 x 270 x 44mm	2,22 kg
DSX8	8	No	1	1	Single-AC	290 x 270 x 44mm	2,17 kg
DSXA-8	8	Yes	1	1	Dual-AC	440 x 290 x 44mm	3,6 kg
DSXB-8-M	8	Yes	1	1	Single-AC	290 x 270 x 44mm	2,17 kg
DSXB-8-DC	8	No	2	1	Single-DC	290 x 270 x 44mm	2,17 kg
DSXB-8-DCM	8	Yes	1	1	Single-DC	290 x 270 x 44mm	2,25 kg
DSXA-16	16	Yes	1	1	Dual-AC	440 x 290 x 44mm	3,75 kg
DSXA-16-DC	16	Yes	1	1	Single-DC	440 x 290 x 44mm	3,51 kg
DSXA-16-DL	16	No	2	2	Dual-AC	440 x 290 x 44mm	3,86 kg
DSXA-16-DLM	16	Yes	1	2	Dual-AC	440 x 290 x 44mm	3,86 kg
DSXA-32	32	Yes	1	1	Dual-AC	440 x 272 x 44mm	3,78 kg
DSXA-32-AC	32	No	2	1	Dual-AC	440 x 290 x 44mm	3,78 kg
DSXA-32-DC	32	Yes	1	1	Dual-DC	440 x 290 x 44mm	3,95 kg
DSXA-32-DL	32	No	2	2	Dual-AC	440 x 290 x 44mm	3,95 kg
DSXA-32-DLM	32	Yes	1	2	Dual-AC	440 x 290 x 44mm	3,95 kg
DSXA-48	48	Yes	1	2	Dual-AC	440 x 290 x 44mm	4,04 kg
DSXA-48-AC	48	No	2	2	Dual-AC	440 x 290 x 44mm	4,04 kg
DSXA-48-DC	48	Yes	1	2	Dual-DC	440 x 290 x 44mm	4,04 kg

Cables/Adapters/Brackets

Part number	Description
ASCSD9F	RJ-45(F) to DB9(F) serial adapter
ASCSD9M	RJ-45(F) to DB9(M) serial adapter
ASCSD25F	RJ-45(F) to DB25(F) serial adapter
ASCSD25M	RJ-45(F) to DB25(M) serial adapter
ASCSD9F-DCE	Serial Adapter for DB9 DCE Port to Dominion SX, Dominion KSX
CRLVR-15	4,5m serial rollover Cat5 cable – for most Cisco and Sun serial RJ-45 ports
CSCSPCS-10	3m Cat5e cable to connect Dominion SX to Raritan remote power control unit

Part number	Description
CRLVR-1	0,3m serial rollover Cat5 adapter cable (RJ45 Male to RJ45 Female) – for most Cisco and Sun serial RJ-45 ports
CRLVR-1-5PK	Package of 5 CRLVR-1 0,3m serial rollover Cat5 adapter cables (RJ45 Male to RJ45 Female) – for most Cisco and Sun serial RJ-45 ports
CSCSPCS-1	0,3m Cat5e adapter cable (RJ45 Male to RJ45 Female) to connect Dominion SX to Raritan remote power control unit
CSCSPCS-1-5PK	Package of 5 CSCSPCS-1 0,3m adapter cables (RJ45 Male to RJ45 Female) to connect Dominion SX to Raritan remote power control unit
RUST-LM304	19" standard rack mount brackets for 4- or 8-port DSX models

Only RoHS and WEEE compliant units are available in the EU and other selected areas. RoHS and WEE compliant units can be provided elsewhere upon request.

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Dominion SX Series

Secure, multi-user remote serial access of up to 48 target servers and IT devices

Dominion SX4

– 4 Serial ports

Dominion SX8

– 8 Serial ports

Dominion SX16

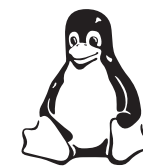
– 16 Serial ports

Dominion SX32

– 32 Serial ports

Dominion SX48

– 48 Serial ports



Secure Console Server: Serial Control and Management via SSH, Telnet and Web Browser

Secure, out-of-band remote management capability with maximum security and integrated power control

Dominion SX enables IT professionals to access, monitor and control all their serial devices securely, anytime, from anywhere. Easy to install, simple to use, secure and scalable, the Dominion SX provides one point of control to manage a wide range of servers and IT devices:

- Servers and headless servers – Sun® Cobalt™, Solaris™, HP-UX, UNIX®, Linux®, IBM® AIX®, Windows Server™ 2003
- WAN equipment – ISDN terminal adapters, channel banks, CSU/DSUs, PBX/PABXs, WDM
- Networking equipment – routers, ethernet switches, firewalls
- Fully featured power control for Raritan RPC and Dominion PX with outlet associations for servers and networking devices with multiple power feeds

A cost-effective tool to reduce network downtime and IT costs

With Dominion SX, you can:

- Optimize and troubleshoot networks via proactive event notification and data logs
- Restore network connectivity and server operation via out-of-band direct serial or dial-up access
- Troubleshoot, maintain and manage remote locations 24/7 from a single location, minimizing travel costs
- CPU Watchdog Timer: monitors the health of the software. LED blinking logic is added to indicate activity of Serial port, LAN port and operating system heartbeat

Simple

- Easy and convenient access via SSH/Telnet or browser
- Plug-and-play setup without complicated client software

Secure and highly available

- Encrypts all communications via 128-bit SSL with RC4 encryption or AES/3DES with SSHv2
- Provides common authentication and authorization for all local and remote users and administrators
- Available models with dual, load-sharing, power supplies, built-in modem and redundant network interface cards
- Prevents unauthorized or inadvertent adds, changes and deletes

Anytime, anywhere access and control

Scalable

- Supports up to 100 users on a single box
- Scales up to 10.000 devices when deployed in conjunction with Raritan CommandCenter® Secure Gateway

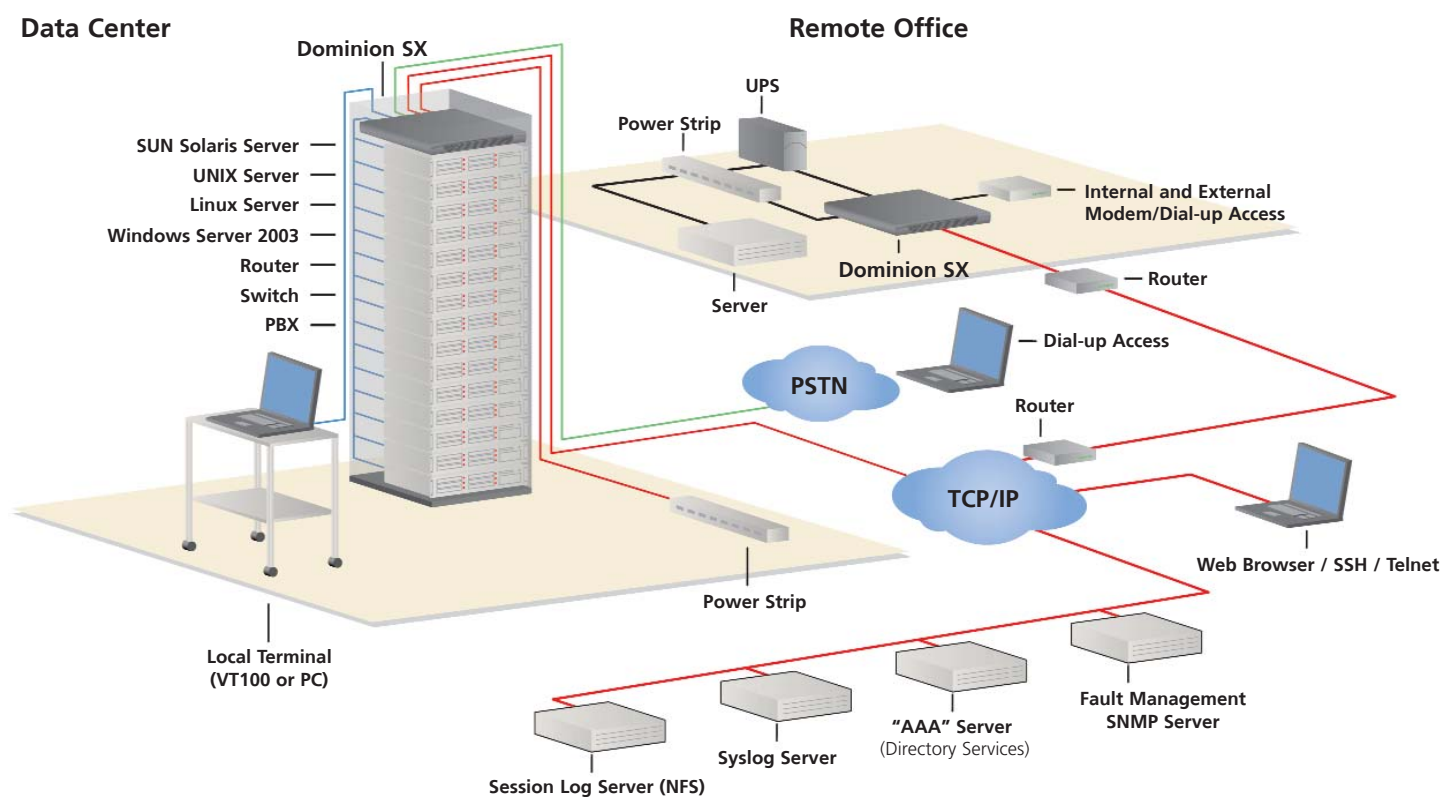
Applications

- Server and network management
- Remote console management of Remote Offices / Branch Offices (ROBO)
- Integrated Power Management

Security

- Appliance architecture prohibits access to Linux shell
- Up-to-date SSHv2 and SSL
 - SSHv2 with AES, 3DES encryption modes
 - SSL with 128-bit RC4 encryption
- User ID and flexible strong password support

- Man-In-The-Middle (MITM) attack mitigation utilizing user supplied SSL Client Certificates
- Customizable security profiles
- Customizable security banner with option to audit banner acceptance
- TLS 1.0 support
- Fully-featured firewall and access control lists – with added pre- and post-routing and Static NAT (SNAT) support
- Authentication and authorization at the port level
- Primary and secondary RADIUS, TACACS+, LDAP(S), Kerberos v.5 or Microsoft Active Directory® servers with failover
- SecureID support
- Modem call-back with Linux and Windows 2000/XP
- Encrypted username/password database
- Idle timeout and target session timeout for improved security
- Remote reboot and restore to factory default capability



Secure console level management

Console management

- Configurable setting for allowing single or multiple logins per user
- Port sharing between SSH, Telnet, Local Port and Browser SSL users for up to 10 users per port
- Local (Up to 80* pages) and remote logging of console messages
- SecureChat allows multiple users to collaborate with 128-bit SSL encryption
- HTTP/HTTPS (Java-enabled browsers: Netscape® 7.0+, Mozilla® 1.5+, Mozilla Firefox, Internet Explorer 6.0+; Sun JRE1.4.2 or higher)
- Direct port access via IP address for SSH/Telnet/HTTP(S) or TCP port for SSH and Telnet
- Standalone Raritan Serial Client (Java-based) for use on Windows®, Solaris™, and Linux®. Downloadable applet provides a common user-experience
- Option for routing between LAN port and the modem port
- Copy and paste session information among different ports
- Encrypted session logging to NFS Server
- One or two local console ports for “crash-cart” access
- Standard built-in modem for select models
- Windows Server 2003 EMS support
- Solaris Ready™ certified (Sun “break-safe”)
- VT100/220/320 ANSI emulation with dynamic font resizing or fixed fonts
- Optional support for unencrypted access (off by default)
- User controlled write-access sharing with write-lock capability

*On models with 128MB SDRAM. Except 4-port model which has 64MB SDRAM.

Management

- Equivalent administration features via HTML-based GUI and Command Line Interface (SSH/Telnet)
- Keyword recognition and alarming (port triggers)
- Event notification via e-mail (SMTP) with persistent attempts (automatic retries) to send SMTP notifications and support for mail server authentication
- SNMP traps
- IPMI support for targets over IP
- Raritan Power Control units managed via CLI or GUI
- Dual Ethernet ports to support separate networks (some models only)
- NTP support (primary and secondary servers)
- Syslog (primary and secondary servers)
- Diagnostic commands to aid in troubleshooting connection problems
- Backup/restore device configurations using FTP server
- Dial Back option: when enabled the users cannot connect to the Dominion SX by using direct dial in (non-PPP)

Command Center Secure Gateway Integration

- Managed with centralized authentication and authorization using a single IP address
- Centralized user, group and role-based permission management
- Remote device access through a simple user GUI interface or direct SSH
- Real-time view and management of active user sessions and active-ports
- Centralized firmware upgrades and backup/restore of devices
- Power control with multi-outlet association

When you're ready to take control, do it with Dominion SX.
Call +31-(0)10-2844040 or visit Raritan.info

Raritan is a leading provider of products for managing IT equipment and the mission-critical applications and services that run on it. Raritan's highly reliable and responsive IT management solutions - based on KVM (Keyboard, Video, Mouse) switches, serial console servers, management software and remote connectivity products - enable companies to proactively monitor and manage system health and vulnerability, as well as troubleshoot, access and repair faults from anywhere, at anytime. This simplifies and accelerates data center work processes - improving service uptime and staff productivity. Raritan's solutions are used to manage more than 50.000 data centers and other IT sites around the world. Raritan also serves the OEM market by developing advanced, hardware-based, remote-management components based on digital KVM-over-IP and IPMI technology. Founded in 1985, Raritan is celebrating over 20 years of technical innovation. Raritan has 36 offices worldwide, and its products are distributed in 76 countries. The European headquarters is located in the Netherlands. More information on the company is available at Raritan.info