

DOMINION® KSX II



CONSOLIDATED REMOTE MANAGEMENT: KVM OVER IP AND SERIAL ACCESS IN ONE BOX

Dominion KSX II is an integrated, hardware-based solution that offers you secure, remote KVM access, serial device management and power control. Targeted at branch and remote offices, the Dominion KSX II is also ideal for labs, computer rooms and data centers with racks containing both serial-and KVM-controlled devices. Reduce travel costs, decrease downtime, increase productivity and increase security.

- One consolidated view of all IT equipment connected to the KSX II
- A single, platform-independent solution offering centralized, integrated and secure control
- Supports servers with VGA, DVI, HDMI and DisplayPort video
- BIOS-level control of servers, console-level control of serial devices and remote power control
- Virtual media, giving users the ability to install software, run hardware diagnostics, transfer files and even remotely reimaging a server
- Absolute Mouse Synchronization™, which reduces installation time and sets a new standard for mouse synchronization
- Network-independent access via a built-in modem for emergency access

SECURE, REMOTE, OUT-OF-BAND ACCESS AND POWER CONTROL OF UP TO 16 SERVERS AND OTHER NETWORK DEVICES OVER IP

Raritan's Dominion KSX II is designed specifically to make the management of your IT infrastructure at branch locations faster, easier, simpler and more cost-effective. This innovative device combines secure BIOS-level KVM over IP, console-level access and power control (when used with the Dominion PX™) of everything in your remote server rooms. This means that you can directly access, troubleshoot and even reboot all of your remote equipment, including:

- | | | |
|-----------------------|-----------------------|-------------------------|
| ■ Application servers | ■ Switches | ■ Serial IT equipment |
| ■ File/Print servers | ■ Routers | ■ Domain servers |
| ■ Headless servers | ■ Firewalls | ■ Load balancers |
| ■ Network appliances | ■ Security interfaces | ■ Environmental control |

DOMINION KSX II SERIES

A powerful combination of remote KVM over IP, serial console access and remote power control.

KSX2-144

- Four serial ports and four KVM-over-IP ports
- One remote KVM user over the network
- Four serial users
- One user at the rack
- Two remote power control ports
- Internal modem

KSX2-188

- Eight serial ports and eight KVM-over-IP ports
- One remote KVM user over the network
- Eight serial users
- One user at the rack
- Two remote power control ports
- Internal modem

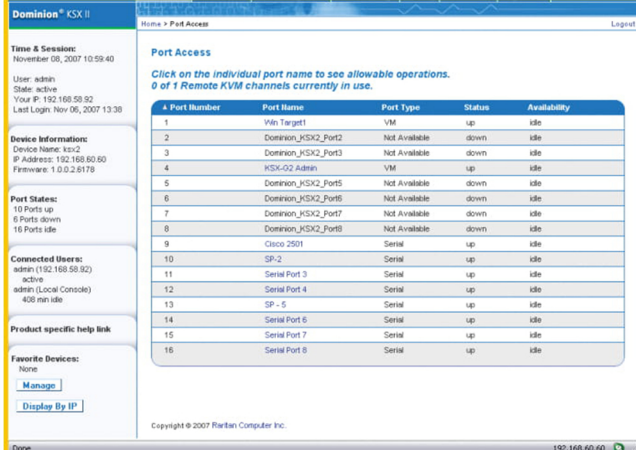
SECURE KVM OVER IP, SERIAL CONSOLE AND POWER CONTROL

RETURN ON INVESTMENT

- Eliminates expensive and inconvenient travel to remote locations
- Reduces the costs of on-call labor and outsourced service providers
- Slashes expensive downtime by providing BIOS-level and network-independent access in emergencies
- Leverages the centralized expertise of IT managers, regardless of their locations
- Replaces multiple software solutions with a single hardware solution, increasing efficiency and productivity

KVM-OVER-IP FEATURES

- Virtual media (CD/DVD ROM, USB drive, local drive, ISO image files)
- Absolute Mouse Synchronization
- Multiplatform PS/2, Sun® and USB server support. Native Windows® and Java™ clients support Windows, Linux®, Sun and Mac® users
- CIMs support analog VGA video, digital DVI, HDMI and DisplayPort video
- Supports Dell®, HP and IBM® blade servers
- Web browser-based local port
- FIPS 140-2-certified encryption module
- Smart card and DoD CAC authentication
- 256-bit AES encryption
- KVM-over-IP ports—choose from four or eight
- Two dedicated power control ports
- Dual gigabit Ethernet ports with failover
- Up to 1920x1080 video resolution, including widescreen formats
- Built-in modem



The screenshot shows the 'Port Access' page of the Dominion K5X II interface. It includes a sidebar with system information and a main table of port access details.

Port Number	Port Name	Port Type	Status	Availability
1	Win Target1	VM	up	idle
2	Dominion_K5X2_Port2	Not Available	down	idle
3	Dominion_K5X2_Port3	Not Available	down	idle
4	K5X-02 Admin	VM	up	idle
5	Dominion_K5X2_Port5	Not Available	down	idle
6	Dominion_K5X2_Port6	Not Available	down	idle
7	Dominion_K5X2_Port7	Not Available	down	idle
8	Dominion_K5X2_Port8	Not Available	down	idle
9	Cisco 2501	Serial	up	idle
10	SP-2	Serial	up	idle
11	Serial Port 3	Serial	up	idle
12	Serial Port 4	Serial	up	idle
13	SP - 5	Serial	up	idle
14	Serial Port 6	Serial	up	idle
15	Serial Port 7	Serial	up	idle
16	Serial Port 8	Serial	up	idle

SERIAL ACCESS

- Four or eight simultaneous serial sessions
- No expensive serial dongles required
- Access via SSH, Telnet or Raritan Serial Client
- Local serial admin port with CLI
- Logging of console sessions
- Cut and paste between sessions
- Keyword monitoring and alerting
- User-defined log-off commands

CONSOLIDATED DEVICE MANAGEMENT

- Use K5X II stand-alone or with Raritan's Command Center Solution
- Single IP address, sign-on, authentication and logging
- Manage hundreds or thousands of branch offices
- Manage rack-based, blade and virtual servers
- Embedded service processors (iLO, DRAC, RSA)
- In-band access (RDP/VNC)

REMOTE ACCESS AND CONTROL

- A single sign-on and Web-based interface, providing easy access to servers and other IT devices
- With virtual media, users can remotely install software, transfer files and even reimagine a server
- Point-and-click or command-line control of devices
- Secure, centralized authentication and logging with LDAP, RADIUS and Active Directory®
- Mobile control of servers via iPhone or iPad
- Local user console for direct access to servers and serial devices
- Easy plug-and-play installation and operation
- Optional remote power strips power on/off remote servers

SECURITY

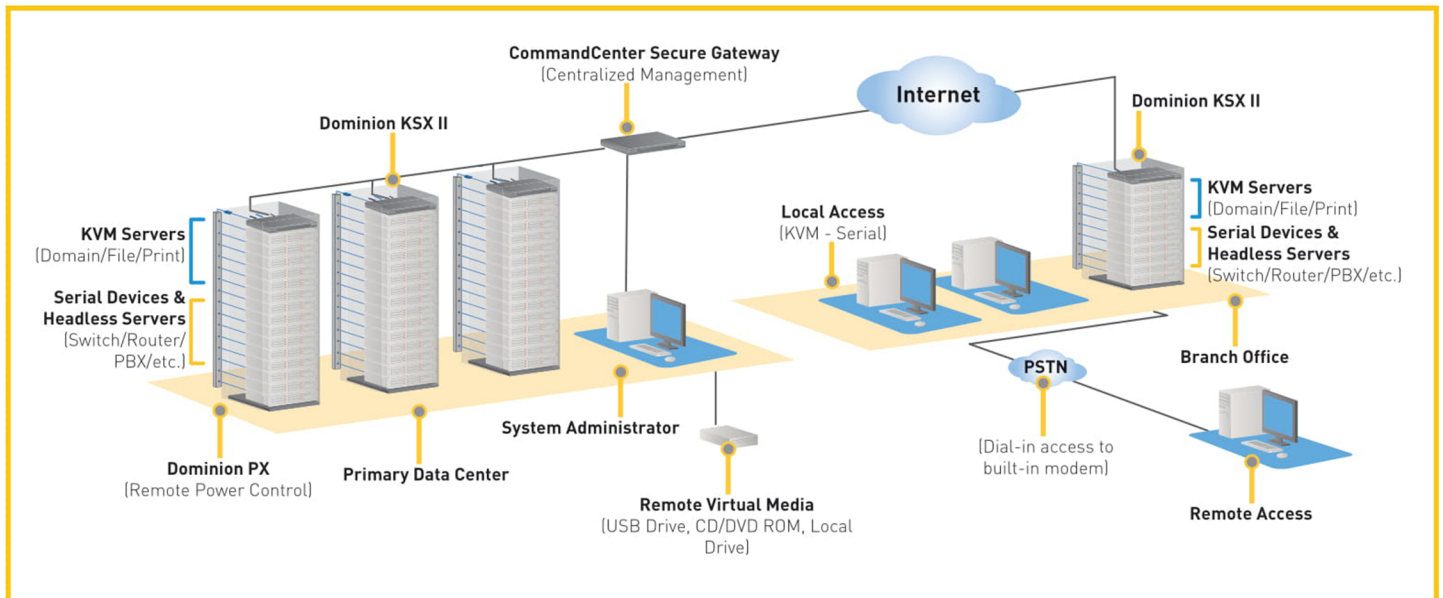
Dominion KSX II provides bulletproof security via:

- FIPS 140-2-certified encryption module
- SmartCard/CAC authentication-remote and local
- Up to 256-bit AES encryption, SSL 128-bit RSA public key encryption and 128-bit RC4 private key encryption
- User authentication with Active Directory, RADIUS and LDAP support
- Strong password protection
- Customizable log-in security banner
- Dual stack networking: IPv4 and IPv6

AWARD-WINNING DOMINION KX II PERFORMANCE

Dominion KSX II includes all of the features you need for superior performance:

- High performance over low bandwidth connections, including modem, wireless, cable, DSL and fractional T1
- Industry-leading KVM-over-IP technology provides high-quality video with low bandwidth utilization
- Absolute Mouse Synchronization reduces installation time and sets a new standard for mouse synchronization
- Award-winning Dominion KX II video engine provides virtual at-the-rack performance with 1920x1080 HD resolution



CIM Model	Description	Dimensions (WxDxH)	Weight
D2CIM-DVUSB	Dual USB CIM for BIOS virtual media, smart card/CAC and Absolute Mouse Synchronization	1.7" x 3.5" x 0.8"; 43 x 90 x 19mm	0.25lb; 0.11kg
D2CIM-VUSB	USB CIM for virtual media and Absolute Mouse Synchronization	1.3" x 3.0" x 0.6"; 33 x 76 x 15mm	0.20lb; 0.09kg
DCIM-PS2	CIM for PS/2	1.3" x 3.0" x 0.6"; 33 x 76 x 15mm	0.20lb; 0.09kg
DCIM-SUN	CIM for Sun	1.3" x 3.0" x 0.6"; 33 x 76 x 15mm	0.20lb; 0.09kg
DCIM-USBG2	CIM for USB and Sun USB	1.3" x 3.0" x 0.6"; 33 x 76 x 15mm	0.20lb; 0.09kg
D2CIM-DVUSB-DVI	Digital CIM that provides digital-to-analog conversion and support for virtual media, smartcard/CAC, audio, Absolute and Relative Mouse Synchronization	1.7" x 3.5" x 0.8"; 43 x 90 x 19 mm	0.25lb; 0.11kg
D2CIM-DVUSB-HDMI	Digital CIM that provides digital-to-analog conversion and support for virtual media, smartcard/CAC, audio, Absolute and Relative Mouse Synchronization	1.7" x 3.5" x 0.8"; 43 x 90 x 19 mm	0.25lb; 0.11kg
D2CIM-DVUSB-DP	Digital CIM that provides digital-to-analog conversion and support for virtual media, smartcard/CAC, audio, Absolute and Relative Mouse Synchronization	1.7" x 3.5" x 0.8"; 43 x 90 x 19 mm	0.25lb; 0.11kg

Specifications for All Dominion KSX II Models	
Form Factor	1U, full width, rack mountable (brackets included)
Operating Temperature	32° F (0° C) to 104° F (40° C)
Dimensions - (WxDxH)	17.3" x 11.4" x 1.75"; 439 x 290 x 44mm
Weight	DKSX2-144: 8.51lb (3.86kg); DKSX2-188: 8.64lb (3.92kg)
Power	100W/240V 50/60Hz 0.6A
KVM Ports	4 (KSX2-144 model) or 8 (KSX2-188 model)
Serial Ports	4 (KSX2-144 model) or 8 (KSX2-188 model)
Power Control Ports	2
Local Admin Port (VGA)	HD15(F) VGA
Video Keyboard/Mouse	USB(F), 1 USB front, 3 USB rear
Local Admin Port (Serial)	DB9(M) RS232

Remote Connections	
Network	Dual 10/100/1000 gigabit Ethernet access (RJ45) with failover. Dual stack IPv4/IPv6
Modem	Integrated 56K V.90 (RJ11 port) modem
Protocols	TCP/IP, UDP, RADIUS, LDAP, SNMP v2 and v3, SNTP, DHCP, PAP, CHAP, HTTP, HTTPS
Sample Video Resolutions	640x480, 720x400, 800x600, 1024x768, 1152x864, 1152x900, 1280x1024, 1440x900, 1680x1050, 1600x1200, 1920x1080
Warranty	Two Years with Advanced Replacement.* Guardian Extended Warranty Available

SPECIFICATIONS

DKSX2-188 shown

