

## Dominion® KX II



### Dominion KX II Series

Enterprise-class KVM-over-IP switch with integrated local and secure multiplatform remote access

#### KX2-864

- 64 KVM ports
- 1 local + 1 extended local port
- 8 remote users over the network

#### KX2-832

- 32 KVM ports
- 1 local + 1 extended local port
- 8 remote users over the network

#### KX2-464

- 64 KVM ports
- 1 user at the rack
- 4 remote users over the network

#### KX2-432

- 32 KVM ports
- 1 user at the rack
- 4 remote users over the network

#### KX2-416

- 16 KVM ports
- 1 user at the rack
- 4 remote users over the network

#### KX2-232

- 32 KVM ports
- 1 user at the rack
- 2 remote users over the network

#### KX2-216

- 16 KVM ports
- 1 user at the rack
- 2 remote users over the network

#### KX2-132

- 32 KVM ports
- 1 user at the rack
- 1 remote user over the network

#### KX2-116

- 16 KVM ports
- 1 user at the rack
- 1 remote user over the network

#### KX2-108

- 8 KVM ports
- 1 user at the rack
- 1 remote user over the network

## The Most Comprehensive KVM-over-IP Solution in the Industry

### From Computer Rooms, Test Labs and Branch Offices to the Largest Enterprise Deployments, It's KVM over IP the Way It Should Be.

The Dominion KX II is an enterprise-class, secure, KVM-over-IP switch that provides 1, 2, 4 or 8 users with remote BIOS-level control of 8 to 64 servers. It raises the bar in KVM-over-IP technology with standard features such as virtual media, Absolute Mouse Synchronization™, - smart card/CAC, blade server support, audio, mobile access and dual power. Deploy individually, or with Raritan's CommandCenter® Secure Gateway (CC-SG).

#### KX II offers you features that enhance productivity

Raritan's Universal Virtual Media™ lets administrators remotely perform tasks such as installing software, transferring files and backing up data – eliminating trips to the data center. Customers can control and manage servers via their Apple® iPhones® and iPads®, through Raritan's CommandCenter Secure Gateway.

The Dominion KX II also features Absolute Mouse Synchronization, which reduces installation time and sets a new standard for mouse synchronization, and transparent keyboard. These, combined with high definition 1920x1080 video resolution (the industry's highest), Virtual KVM Desktop™, virtual media and audio features, provide you with the industry's most responsive remote user experience. Multilanguage support is available for Japanese and Chinese languages.

Our Virtual KVM Desktop allows users to scale a target server's display to any size, from thumbnails to full-screen video – supported across multiple LCD monitors. Plus, it provides an intuitive user experience – locally or remotely – through a common browser-based user interface.



"World's Best KVM"

#### KX II also boosts reliability and security

The Dominion KX II is the first KVM switch to use a certified FIPS 140-2 cryptographic module to meet U.S. and Canadian government security mandates. And with dual power supplies and dual gigabit Ethernet ports, the Dominion KX II is the most reliable and secure digital KVM switch in the industry.

#### Architecture

The Dominion KX II consists of the KVM-over-IP switch and computer interface modules (CIMs).

- ▶ Each CIM connects to server KVM ports and converts video signals for transmission of up to 45 meters over UTP (Cat5/5e/6) cabling
- ▶ KVM-over-IP remote access, local at-the-rack access, mobile access and modem access
- ▶ Remote users easily access Dominion KX II from Windows®, Linux®, Sun® or Mac® desktops
- ▶ Customers can tier multiple Dominion KX II switches
- ▶ With Raritan's CommandCenter Secure Gateway, scales to manage thousands of servers



## Easy to Install, Easy to Use

### Easy to Install and Scale

- ▶ Easy installation – plug-and-play appliance
- ▶ Deploy individually with Raritan's CC-SG for centralized management of hundreds or even thousands of servers

### Features

- ▶ 1, 2, 4 or 8 remote KVM-over-IP channels
- ▶ Highest port density in the industry – models available with 8, 16, 32 and 64 ports
- ▶ Dual power supplies with failover
- ▶ Dual gigabit Ethernet ports with failover
- ▶ Browser-based local user port for at-the-rack access
- ▶ SNMP management and syslog logging
- ▶ Platform independent – CIMs available for PS/2, USB, USB with virtual media, Sun and Sun USB
- ▶ External modem for emergency access
- ▶ Supports Dell®, HP®, Cisco® and IBM® blade servers

### Universal Virtual Media

- ▶ Standard on all Dominion KX II models
- ▶ Remotely install OS, load software, transfer files and backup data
- ▶ Enables data center servers to access remote media from your desktop during a KVM connection
- ▶ Includes DVD/CD-Roms, USB mass storage devices, PC hard drives, floppy drives and ISO images
- ▶ Expanded BIOS use of virtual media via dual USB CIM and USB profile feature
- ▶ Remote smart card/CAC support via D2CIM-DVUSB

### Highest Quality KVM over IP

- ▶ Award-winning KVM-over-IP technology
- ▶ High definition (HD) 1920x1080 remote video resolution
- ▶ Fastest, tightest mouse synchronization without changing server mouse settings
- ▶ Intuitive graphical user interface (GUI)
- ▶ High quality video with low bandwidth utilization
- ▶ High (15-bit) color palette support

### Anytime, Anywhere Access and Control

The screenshot shows the Raritan web interface for a Dominion KX II device. The main content area is titled 'Port Access' and displays a table of 16 ports. The table has columns for Port Number, Port Name, Status, and Availability. The status of each port is either 'up' or 'down', and availability is 'idle'. A message above the table states: 'Click on the individual port name to see allowable operations. 0 of 4 Remote KVM channels are currently in use.' The interface also includes a sidebar with system information like 'Time & Session', 'Device Information', 'Port Status', and 'Connected Users'.

Port Number	Port Name	Status	Availability
1	Dominion-KX2_Port1	up	idle
2	Dominion-KX2_Port2	down	idle
3	Dominion-KX2_Port3	down	idle
4	Dominion-KX2_Port4	down	idle
5	Dominion-KX2_Port5	down	idle
6	Dominion-KX2_Port6	down	idle
7	Dominion-KX2_Port7	down	idle
8	Dominion-KX2_Port8	down	idle
9	Dominion-KX2_Port9	down	idle
10	Dominion-KX2_Port10	down	idle
11	Dominion-KX2_Port11	down	idle
13	Dominion-KX2_Port13	down	idle
14	Dominion-KX2_Port14	down	idle
15	Dominion-KX2_Port15	down	idle
16	Dominion-KX2_Port16	up	idle

- ▶ Adaptive video settings for different bandwidth situations
- ▶ Play and record audio on remote servers
- ▶ Port scanning and thumbnail views

### Virtual KVM Desktop

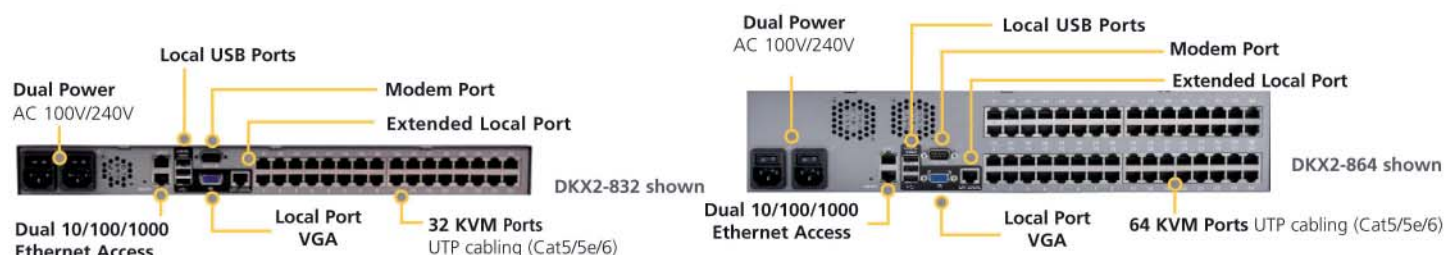
- ▶ Integrated, browser-based access and control
- ▶ Native Windows and Java™ clients support Windows, Linux, Sun and Mac users
- ▶ Multibrowser access for Internet Explorer® and Firefox®
- ▶ Full-screen video display and flexible video scaling
- ▶ Transparent keyboard handler
- ▶ Dual monitor KVM client support
- ▶ Supports 1920x1080 and 1600x1200 remote video resolutions, including widescreen formats

### Mobile KVM-over-IP Access

- ▶ Control servers via iPhone and iPad
- ▶ Remote troubleshooting anytime/anywhere
- ▶ Easy access – no App to download
- ▶ Enabled by CC-SG 5.2

**Ready to manage smarter? Do it with Dominion KX II.**

## Specifications



Dominion KX II Model	Description	Dimensions (WxDxH)	Weight	Power and Heat Dissipation
DKX2-864	64 server ports, 8 remote users, 1 local port + extended local port	439 x 360 x 88mm; 17.3" x 13.8" x 3.5"	5.8kg; 12.88lbs	Dual Power 100V/240V 47/63Hz 1.2A 67W 58 KCAL
DKX2-832	32 server ports, 8 remote users, 1 local port + extended local port	439 x 360 x 44mm; 17.3" x 13.8" x 3.5"	4.7kg; 10.40lbs	Dual Power 100V/240V 47/63Hz 1A 55W 47 KCAL
DKX2-464	64 server ports, 4 remote users, 1 local port for use at the rack	439 x 290 x 90mm; 17.3" x 11.4" x 3.5"	6.24kg; 13.73lbs	Dual Power 100V/240V 47/63Hz 1.5A 64W 55 KCAL
DKX2-432	32 server ports, 4 remote users, 1 local port for use at the rack	439 x 290 x 44mm; 17.3" x 11.4" x 1.75"	4.3kg; 9.48lbs	Dual Power 100V/240V 47/63Hz 1A 63W 54 KCAL
DKX2-416	16 server ports, 4 remote users, 1 local port for use at the rack	439 x 290 x 44mm; 17.3" x 11.4" x 1.75"	4.1kg; 9.04lbs	Dual Power 100V/240V 47/63Hz 1A 63W 54 KCAL
DKX2-232	32 server ports, 2 remote users, 1 local port for use at the rack	439 x 290 x 44mm; 17.3" x 11.4" x 1.75"	4.1kg; 9.0lbs	Dual Power 100V/240V 47/63Hz 0.6A 63W 54 KCAL
DKX2-216	16 server ports, 2 remote users, 1 local port for use at the rack	439 x 290 x 44mm; 17.3" x 11.4" x 1.75"	3.9kg; 8.65lbs	Dual Power 100V/240V 47/63Hz 0.6A 62W 53 KCAL
DKX2-132	32 server ports, 1 remote user, 1 local port for use at the rack	439 x 290 x 44mm; 17.3" x 11.4" x 1.75"	4.1kg; 9.0lbs	Dual Power 100V/240V 47/63Hz 0.6A 62W 53 KCAL
DKX2-116	16 server ports, 1 remote user, 1 local port for use at the rack	439 x 290 x 44mm; 17.3" x 11.4" x 1.75"	3.9kg; 8.65lbs	Dual Power 100V/240V 47/63Hz 0.6A 62W 53 KCAL
DKX2-108	8 server ports, 1 remote user, 1 local port for use at the rack	439 x 290 x 44mm; 17.3" x 11.4" x 1.75"	3.9kg; 8.58lbs	Dual Power 100V/240V 47/63Hz 0.6A 61W 53 KCAL

### Computer Interface Modules (CIMs)

CIM Model	Description	Dimensions (WxDxH)	Weight
D2CIM-DVUSB	Dual USB CIM for BIOS virtual media, smart card/CAC, audio and Absolute Mouse Synchronization	43 x 90 x 19mm; 1.7" x 3.5" x 0.8"	0.11kg; 0.25lb
D2CIM-VUSB	USB CIM for virtual media and Absolute Mouse Synchronization	33 x 76 x 15mm; 1.3" x 3.0" x 0.6"	0.09kg; 0.20lb
DCIM-PS2	CIM for PS/2	33 x 76 x 15mm; 1.3" x 3.0" x 0.6"	0.09kg; 0.20lb
DCIM-SUN	CIM for Sun	33 x 76 x 15mm; 1.3" x 3.0" x 0.6"	0.09kg; 0.20lb
DCIM-USBG2	CIM for USB and Sun USB	33 x 76 x 15mm; 1.3" x 3.0" x 0.6"	0.09kg; 0.20lb
D2CIM-PWR	CIM for remote power management	33 x 76 x 15mm; 1.3" x 3.0" x 0.6"	0.09kg; 0.20lb
P2CIM-SER	Paragon II / Dominion KX II CIM for serial (ASCII) devices	33 x 76 x 15mm; 1.3" x 3.0" x 0.6"	0.09kg; 0.20lb

### Specifications for All Dominion KX II Models

<b>Form Factor</b>	1U and 2U full width, rack mountable (brackets included)
<b>Operating Temperature</b>	0° - 40° C (32° - 104° F)
<b>Humidity</b>	20% - 85% RH
<b>Remote Connection</b>	Network: Dual 10/100/1000 gigabit Ethernet access; dual-stack: IPv4 and IPv6 Modem Port: DB9(F) DTE Protocols: TCP/IP, HTTP, HTTPS, UDP, RADIUS, SNTP, DHCP, PAP, CHAP
<b>Local Access Port</b>	Video: HD15(F) VGA Keyboard/Mouse: USB(F), 1 USB front, 3 USB rear
<b>Sample Video Resolutions</b>	PC text mode: 640x350, 640x480, 720x400 PC graphic mode: 640x480, 800x600, 1024x768, 1152x864, 1280x1024, 1440x900, 1680x1050, 1600x1200, 1920x1080 Sun video mode: 1024x768, 1152x864, 1152x900, 1280x1024
<b>Warranty</b>	Two years. In addition, Raritan offers two years extended warranty.



D2CIM-VUSB



D2CIM-PWR



DCIM-PS2



D2CIM-DVUSB