



Dominion KX III Series

Enterprise-class KVM-over-IP switch with secure, high performance remote access and Digital Local Port

Key Benefits

- ▶ Increased MTTR & Uptime
- ▶ Avoid travel
- ▶ Increased productivity
- ▶ Increased security

Key Features

- ▶ BIOS Level Remote Access and Control
- ▶ Blazing, High Performance Audio and Video
- ▶ Virtual Media
- ▶ Digital and Analog Video
- ▶ Military Grade Security
- ▶ Mobile Access
- ▶ Redundancy for Reliability
- ▶ Remote Power Control
- ▶ CommandCenter Secure Gateway Integration

High Performance KVM-over-IP Solution

From Computer Rooms, Test Labs, Studios, and Branch Offices to the Largest Enterprise Deployments, it's KVM-over-IP for the high performance remote access you need.

The Dominion KX III 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. With higher performance and enhanced reliability, the Dominion KX III outperforms the competition. KX III comes with standard features such as DVI/HDMI/DisplayPort digital and analog video, audio, virtual media, smart card/CAC, blade server support, and mobile access. Deploy individually, or with Raritan's CommandCenter Secure Gateway (CC-SG).

IT, Data Centers and Labs

The Dominion KX III includes the features needed to eliminate trips to the data center. Raritan's Universal Virtual Media lets administrators remotely perform tasks such as installing software, transferring files and backing up data. Customers can control and manage servers on-the-go via their Apple iPhones and iPads, through Raritan's CommandCenter Secure Gateway.

Broadcast and Entertainment

Dominion KX III provides high performance KVM-over-IP access for broadcast, entertainment and other dynamic applications requiring high speed video quality and response anytime/anywhere.

The KX III's next generation video processing engine supports a broad range of applications, from traditional computer applications to the most dynamic broadcast applications that require 1920x1200 resolution, 24 bit color, digital audio, dual monitors and DVI, HDMI, DisplayPort and VGA video. View streaming 1080p video at 30 frames per second over your LAN!

Military Grade Security and Reliability

Raritan's KVM-over-IP products meet U.S. and Canadian government security mandates and are widely used by military and government agencies. As the most secure KVM-over-IP switch, the Dominion KX III includes a FIPS 140-2 certified cryptographic module, smart-card/CAC authentication, and IPv6. And with dual power supplies and dual gigabit Ethernet ports, the Dominion KX III is the most reliable and secure digital KVM switch in the industry.



High Performance IP Remote Access

Supports High Performance Video Applications

- ▶ Broadcast, entertainment and gaming
- ▶ Military and government
- ▶ Security and surveillance
- ▶ Scientific, aviation, weather, transportation
- ▶ Industrial, manufacturing and factory
- ▶ Command & control, operations centers

Connect easily and quickly from anywhere

- ▶ True, anytime/anywhere, high performance remote and local access
- ▶ Connect via LAN, WAN, modem or Internet
- ▶ CommandCenter management or standalone
- ▶ Mobile KVM-over-IP access via iPhone and iPad
- ▶ External modem for emergency access
- ▶ Native Windows and Java clients support Windows, Linux, Sun and Mac users
- ▶ Multi-browser access for Internet Explorer and Firefox access

Complete and total access and control

- ▶ Browser-based, BIOS level access and control
- ▶ Universal Virtual media to remotely install OS, load software, transfer files and backup data
- ▶ Includes DVD/CD-ROMs, USB mass storage devices, PC hard drives, floppy drives, and ISO images
- ▶ Remote power control with optional PX rack PDUs
- ▶ Fastest, tightest mouse synchronization without changing server mouse settings
- ▶ Play and record digital audio
- ▶ Chinese and Japanese language support

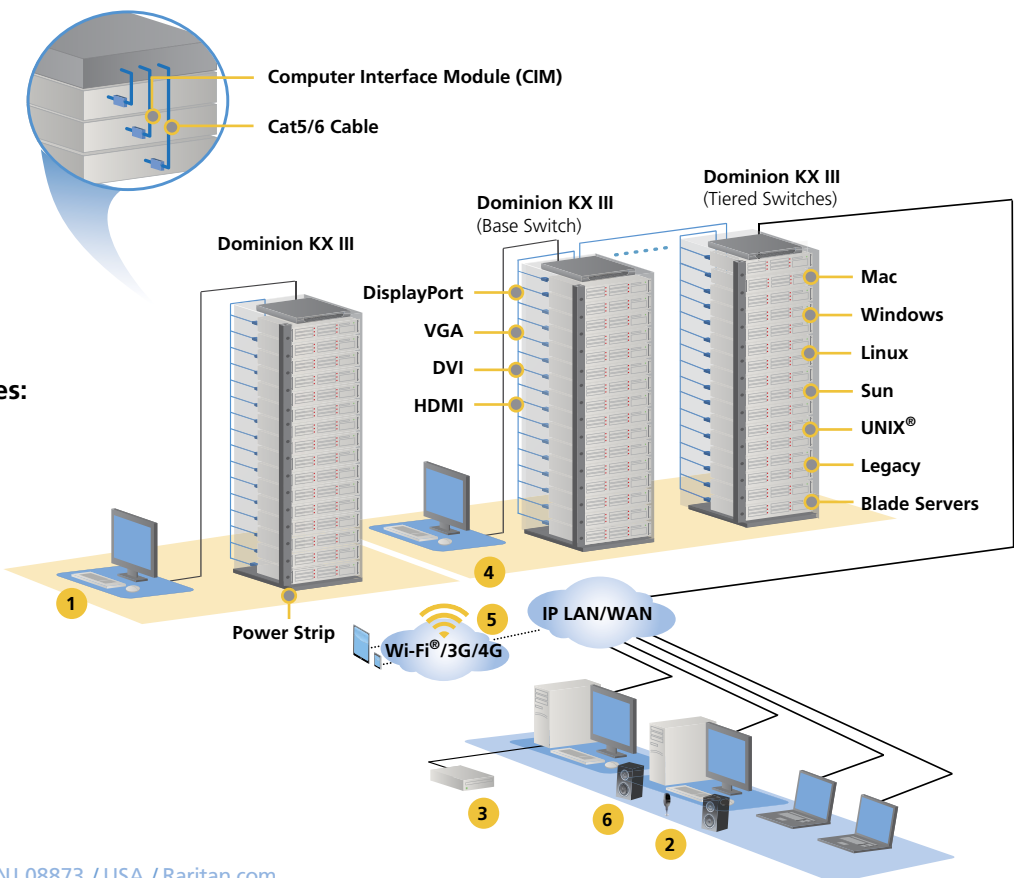
Secure, Reliable, Powerful, and Dependable

Military Grade Security & Reliability

- ▶ Uses FIPS 140-2-certified cryptographic module
- ▶ Smart card / CAC authentication – local and remote
- ▶ 256-bit AES or 128-bit RC4 encryption
- ▶ Dual power supplies and Gigabit Ethernet with failover
- ▶ All data encrypted, including video transmissions and virtual media
- ▶ Secure Linux-based appliance
- ▶ Local or centralized authentication with LDAP, RADIUS or Active Directory support
- ▶ Dual-stack networking: IPv4 and IPv6
- ▶ Configurable user and group permissions
- ▶ User-configurable TCP ports
- ▶ Supports strong password protection
- ▶ Customizable security banner
- ▶ Can upload customer's digital security certificate
- ▶ SNMP v2 and v3 management. Syslog.

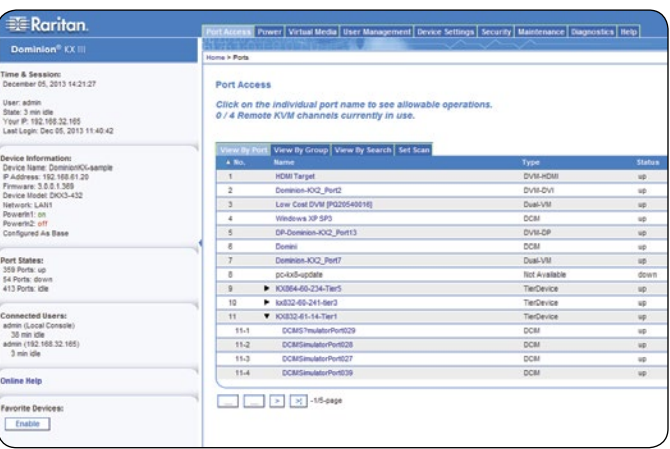
Optimized for High Performance Applications

- ▶ 1920x1200 HD Analog & Digital video
- ▶ Up to 30 FPS HD Video with Audio
- ▶ DVI Digital Local Port provides fast GUI performance
- ▶ High quality video with low bandwidth utilization
- ▶ Full-screen video display and flexible video scaling
- ▶ Dual monitor support
- ▶ Dual video cards with extended desktop
- ▶ Supports 1920x1200 and 1600x1200 remote video resolutions, including widescreen formats
- ▶ High (24-bit) color palette support



In the diagram, Dominion KX III provides:

- 1 Local port access at the rack
- 2 Secure, remote IP-based network access from any location
- 3 Remote virtual media sessions
- 4 "Tiered" local access to servers on base and tiered switches
- 5 Mobile access via iPhone and iPad
- 6 Digital audio feature



A flexible and scalable solution

- ▶ Highest port density in the industry — models available with 8, 16, 32, and 64 ports
- ▶ 1, 2, 4, or 8 remote KVM-over-IP channels
- ▶ Platform Independent — CIMs available for PS/2, USB, USB with virtual media, Sun and Sun USB
- ▶ CIMs supporting analog VGA video, digital DVI, HDMI, and DisplayPort Video
- ▶ Support for Dell, HP, Cisco, and IBM blade servers
- ▶ Tiering support for up to 1024 servers
- ▶ Scales to thousands of servers with Raritan's CommandCenter

Specifications

Dual Power
AC 100V/240V

Local USB Ports
DVI-D Port

32 KVM Ports
UTP cabling (Cat5/5e/6)



DKX3-832 shown

Dual 10/100/1000 Ethernet Access

Tiering Port

Modem Port

Dual Power
AC 100V/240V

Local USB Ports
DVI-D Port

64 KVM Ports
UTP cabling (Cat5/5e/6)



DKX3-864 shown

Dual 10/100/1000 Ethernet Access

Tiering Port

Modem Port

Dominion KX III Model	Description	Dimensions (WxDxH)	Weight	Power and Heat Dissipation
DKX3-864	64 server ports, 8 remote users, 1 local port for use at the rack	17.3" x 13.3" x 3.5"; 440mm x 338mm x 88mm	12.39 lbs; 5.62 kg	Dual Power 110V/240V, 50-60Hz 1.8A 60W 52 KCAL
DKX3-832	32 server ports, 8 remote users, 1 local port for use at the rack	17.3" x 13.15" x 1.73"; 440mm x 334mm x 44mm	9.96 lbs; 4.52 kg	
DKX3-808	8 server ports, 8 remote users, 1 local port for use at the rack			
DKX3-464	64 server ports, 4 remote users, 1 local port for use at the rack	17.3" x 13.3" x 3.5"; 440mm x 338mm x 88mm	12.39 lbs; 5.62 kg	
DKX3-432	32 server ports, 4 remote users, 1 local port for use at the rack	17.3" x 13.15" x 1.73"; 440mm x 334mm x 44mm	9.08 lbs; 4.12 kg	
DKX3-416	16 server ports, 4 remote users, 1 local port for use at the rack			
DKX3-232	32 server ports, 2 remote users, 1 local port for use at the rack			
DKX3-216	16 server ports, 2 remote users, 1 local port for use at the rack			
DKX3-132	32 server ports, 1 remote user, 1 local port for use at the rack		8.60 lbs; 3.9 kg	
DKX3-116	16 server ports, 1 remote user, 1 local port for use at the rack			
DKX3-108	8 server ports, 1 remote user, 1 local port for use at the rack			

Computer Interface Modules (CIMs)

D2CIM-DVUSB – Dual USB, VGA CIM for BIOS virtual media and advanced features	D2CIM-DVUSB-DVI – Dual USB, DVI-D CIM for BIOS virtual media and advanced features
D2CIM-VUSB – USB CIM for virtual media and Absolute Mouse Synchronization	D2CIM-DVUSB-HDMI – Dual USB, HDMI CIM for BIOS virtual media and advanced features
DCIM-PS2 – CIM for PS/2	D2CIM-DVUSB-DP – Dual USB, DisplayPort CIM for BIOS virtual media and advanced features
DCIM-SUN – CIM for Sun	D2CIM-PWR – CIM for remote power management
DCIM-USBG2 – CIM for USB and Sun USB	P2CIM-SER – CIM for serial (ASCII) devices

Specifications for All Dominion KX III Models

Form Factor	1U and 2U full width, rack mountable (brackets included)
Operating Temperature	0° - 45° C (32° - 113° F)
Humidity	0% - 85% RH
Remote Connection	
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, SNMP, DHCP, PAP, CHAP, LDAP, SNMP v2 and v3
Local Access Port	
Video	Single Link DVI-D (F)
Keyboard/Mouse	USB(F), 1 USB front, 3 USB rear
Tiering Port	RJ45
Sample Video Resolutions	
PC text mode	640x350, 640x480, 720x400
PC graphic mode	640x480, 800x600, 1024x768, 1152x864, 1280x1024, 1440x900, 1680x1050, 1600x1200, 1920x1080, 1920x1200
Sun video mode	1024x768, 1152x864, 1152x900, 1280x1024
Warranty	Two years standard with advanced replacement*



D2CIM-DVUSB-DP



D2CIM-DVUSB-HDMI



D2CIM-VUSB



D2CIM-DVUSB-DVI



DCIM-PS2



D2CIM-DVUSB

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 *To qualify for advanced replacement under the standard warranty, you must register the product at <http://www.raritan.com/support/product-warranty-registration>
 Specifications are subject to change without notice.