Dominion® KX III
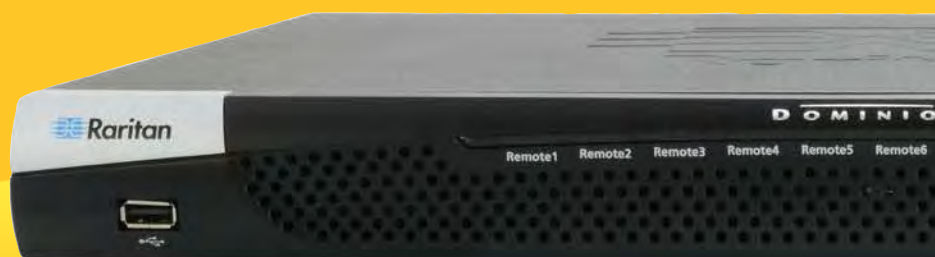
High Performance KVM-over-IP Solution

The Dominion® KX III is an enterprise-class KVM-over-IP switch that provides 1, 2, 4 or 8 users with remote BIOS-level control of 8 to 64 servers. It 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 it alone, or with Raritan's CommandCenter® Secure Gateway (CC-SG) for centralized access to all KX IIIs; or with the User Station for hassle-free IP KVM access.

IT, Data Centers and Labs

Eliminate trips to the data center! Raritan's Universal Virtual Media feature lets administrators remotely install software, transfer files, and back up data. Users can even access and manage servers via Apple iOS devices through Raritan's CommandCenter Secure Gateway.

Broadcast and Entertainment

The KX III's next generation video processing engine supports dynamic broadcast applications that require 1920x1200 HD 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. New high performance IP User Station now available for labs and studios. Fast connections and sub-second switching available with the DKX3-808 model.

Military Grade Security and Reliability

KX III meets widely used U.S. and Canadian government security mandates like: FIPS 140-2 certified cryptographic module, smart-card/CAC authentication, and IPv6. And with dual power supplies and dual gigabit Ethernet ports, it is the most reliable and secure digital KVM switch in the industry.

Benefits

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

Features

- BIOS Level Remote Access and Control
- Blazing, High Performance Audio and Video
- Virtual Media
- Digital and Analog Video
- Military Grade Security
- Two-Factor Authentication
- Mobile Access
- Redundancy for Reliability
- Remote Power Control
- CC-SG Integration

Perfect for Traditional IT and Lab Applications

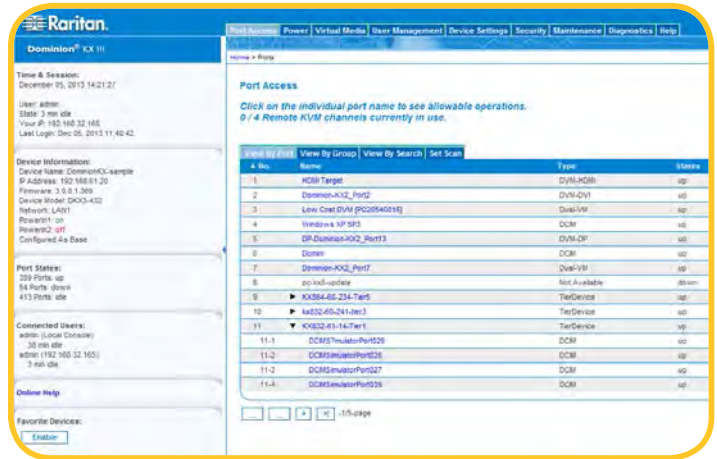## Complete and Total Access and Control

- Browser-based, BIOS level access and control
- Universal Virtual media for remote admin tasks
- Remote booting via CD, DVD, USB, internal and remote drives and images
- Remote power control for Raritan rack PDUs
- Perfect mouse synchronization without changing server mouse settings
- Play and record digital audio
- Chinese and Japanese language support

Connect Easily and Quickly from Anywhere

- Connect via LAN, WAN, modem or Internet
- Manage centrally via CC-SG; or standalone
- Mobile KVM-over-IP access via iPhone and iPad
- External telephone or cellular modem for emergency access
- Native Windows and Java clients support Windows, Linux, Sun and Mac users
- Multi-browser access for Internet Explorer, Chrome, and Firefox access

A Flexible and Scalable Solution

- Models available with 8,16, 32, and 64 ports
- 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 1,024 servers
- Scales to thousands of servers with Raritan's CommandCenter
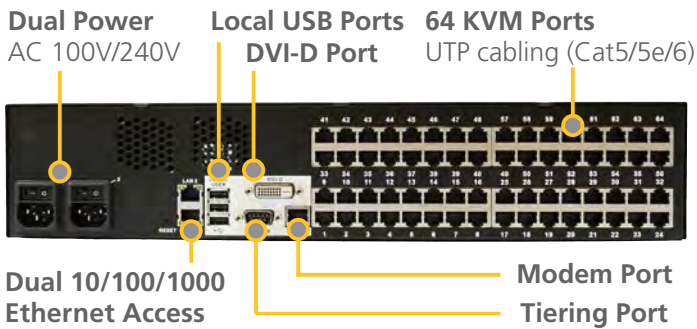- Java-free KVM Client on Windows platforms

Secure and Reliable

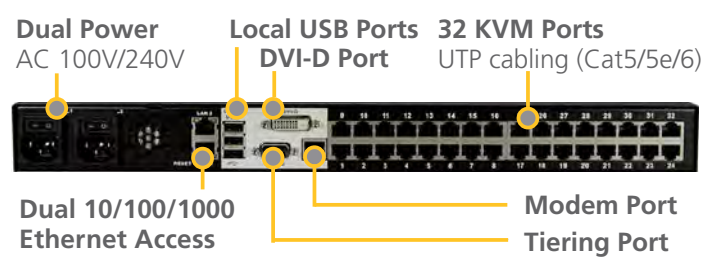### Military Grade Security & Reliability

- Uses FIPS 140-2-certified cryptographic module
- Smart card / CAC authentication — local and remote
- 256-bit AES encryption
- Dual power supplies and dual Gigabit Ethernet with failover
- All data encrypted, including video transmissions and virtual media
- Secure Linux-based appliance
- Local or centralized authentication via LDAP, AD, and RSA SecurID via RADIUS.
- Dual-stack networking: IPv4 and IPv6
- Configurable user and group permissions
- User-configurable TCP ports
- Supports strong password protection
- Customizable security banner
- Utilize existing digital security certificates
- SNMP v2 and v3 management, Syslog, Email alerts

Dominion KX III Ports and Connections

DKX3-864

Dual Power
AC 100V/240V

Local USB Ports
DVI-D Port

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

Dual 10/100/1000 Ethernet Access

Modem Port

Tiering Port

DKX3-832

Dual Power
AC 100V/240V

Local USB Ports
DVI-D Port

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

Dual 10/100/1000 Ethernet Access

Modem Port

Tiering Port

Optimized for Dynamic Video Applications

Multi-Industry Video Applications

- Broadcast, entertainment, and gaming
- Military and government
- Security and surveillance
- Scientific, aviation, weather, transportation
- Industrial, manufacturing and factory
- Command and control, operations centers
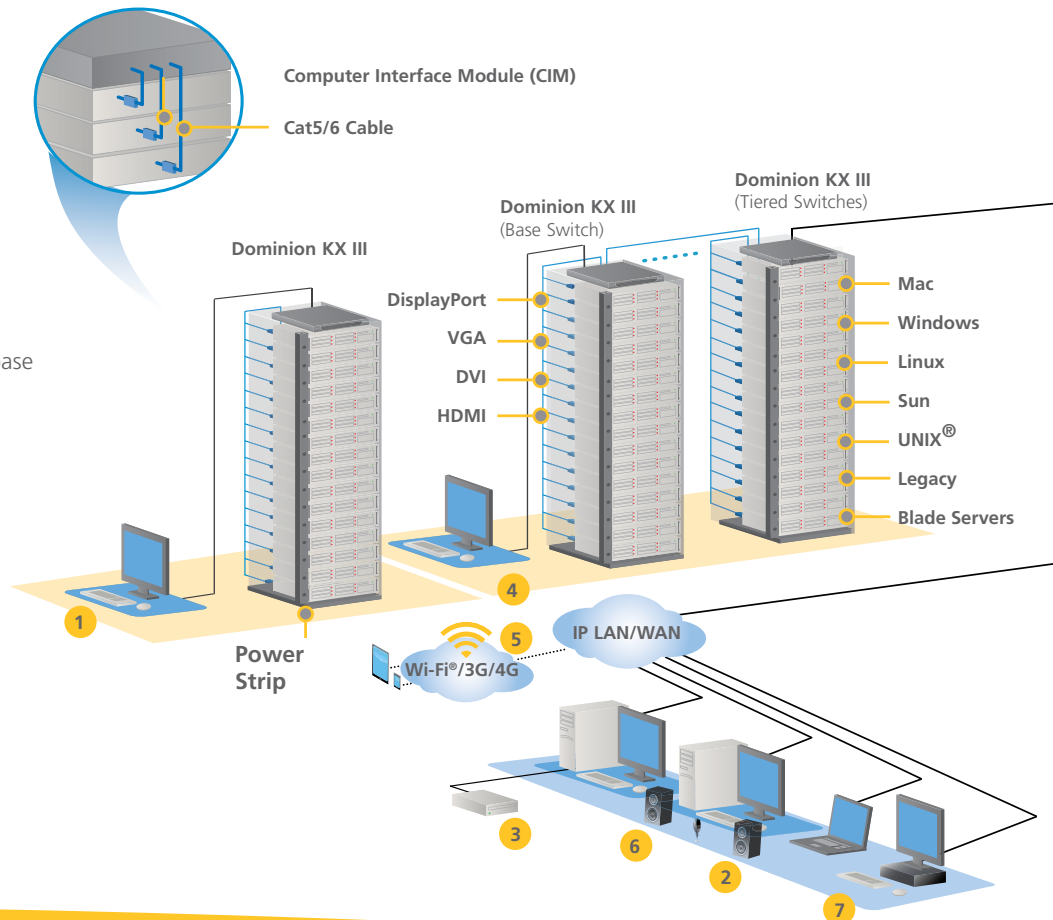
Blazing Fast HD Video Streaming

- 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 1920x1080, 1920x1200 and 1600x1200 remote video resolutions
- High (24-bit) color palette support

Hassle-Free, High Performance IP User Station

- Self-contained, hassle-free hardware appliance for environments where a PC is not wanted
- Two 1080p streaming video sessions at 30 FPS
- Ultra-fast connections and sub-second switching with the DKX3-808 model
- Eight or more simultaneous IP sessions
- Powerful user interface with single or dual monitors
- Perfect for broadcast, labs, studios, and control rooms

Dominion KX III Configuration

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
7. KX III User Station (DKX3-UST)

Computer Interface Module (CIM)

Cat5/6 Cable

Dominion KX III

Dominion KX III
(Base Switch)

Dominion KX III
(Tiered Switches)

DisplayPort
VGA
DVI
HDMI

Mac
Windows
Linux
Sun
UNIX®
Legacy
Blade Servers

Power Strip

Wi-Fi®/3G/4G

IP LAN/WAN

Dominion KX III Model	Description	Dimensions (WxDxH)	Weight	Power & 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	Paragon II/Dominion KX II 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 Humidity	0° - 45° C (32° - 113° F) 0% - 85% RH
Remote Connection Network Modem Port Protocols	Dual 10/100/1000 gigabit Ethernet access; dual-stack: IPv4 and IPv6 DB9(F) DTE TCP/IP, HTTP, HTTPS, UDP, RADIUS, SNTP, DHCP, PAP, CHAP, LDAP, SNMP v2 and v3
Local Access Port Video Keyboard/Mouse Tiering Port	Single Link DVI-D (F) USB(F), 1 USB front, 3 USB rear RJ45
Sample Video Resolutions PC text mode PC graphic mode Sun video mode	640x350, 640x480, 720x400 640x480, 800x600, 1024x768, 1152x864, 1280x1024, 1440x900, 1680x1050, 1600x1200, 1920x1080, 1920x1200 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

Visit www.raritan.eu or call +31 (0)10 284 40 40 for more information.

Raritan is a proven innovator of power management solutions, DCIM software, and KVM-over-IP for data centers of all sizes. Based in Somerset, NJ, Raritan has a global presence across 38 offices, serving 76 countries and 50,000 locations worldwide. Raritan's award-winning hardware and software solutions increase energy efficiency, improve reliability, and raise productivity. For more information, please visit www.raritan.eu or call +31 (0)10 284 40 40.