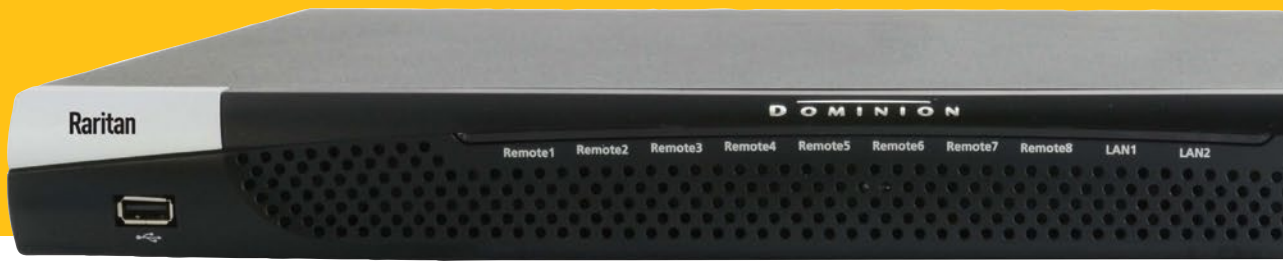
Raritan®
A brand of legrand®

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/USB-C 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 KX III or IV User Stations for high performance access.

IT, DATA CENTERS AND LABS

Eliminate trips to the data center! Java-free Virtual Media lets administrators remotely install software, transfer files, and back up data. Manage up to 8 serial devices with the new Dominion Serial Access Modules (DSAM). Users can even access and manage servers via Apple iOS devices directly or 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, USB-C and VGA video. View streaming 1080p video at 30 frames-per-second over your LAN. Two high performance IP User Stations available for labs, studios, and control rooms. 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, two factor RSA SecurID and IEEE 802.1X 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

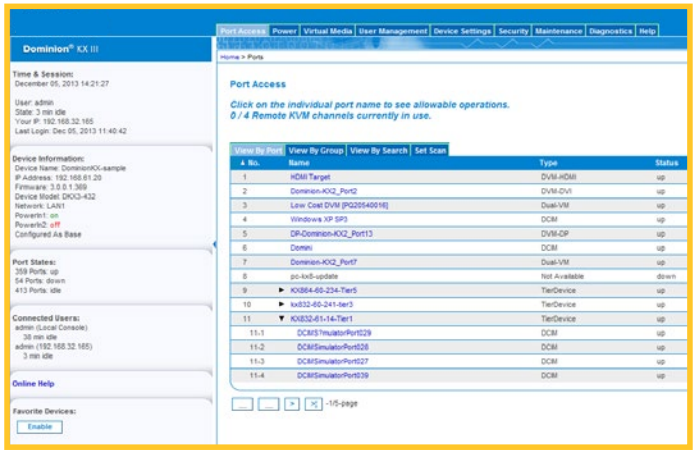
FEATURES

- BIOS Level Remote Access and Control
- Blazing, High Performance Audio and Video
- Digital and Analog Video
- Java-Free KVM with Virtual Media
- Military Grade Security
- Two-Factor Authentication and IEEE 802.1X
- Up to 8 True Serial Ports
- Mobile Access for iPad and iPhone
- Redundancy for Reliability
- Remote Power Control
- CC-SG Integration
- KX III SDK and API

PERFECT FOR TRADITIONAL IT AND LAB APPLICATIONS

COMPLETE AND TOTAL ACCESS AND CONTROL

- Browser-based, Java-free, BIOS level access and control
- Java-free 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, WITHOUT JAVA

- Connect via LAN, WAN, modem or Internet
- Manage centrally via CC-SG; or standalone
- Mobile access on iOS devices directly or via CC-SG
- External telephone or cellular modem for emergency access
- Native Windows and HTML5 KVM clients support Windows, iOS, 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-C, USB with virtual media, Sun and Sun USB
- CIMs supporting analog VGA video, digital DVI, HDMI, USB-C, 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 Clients for Windows, iOS, Linux and Mac
- Integrate and automate with our new SDK & API

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
- Configurable TLS versions
- IEEE 802.1X authentication

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

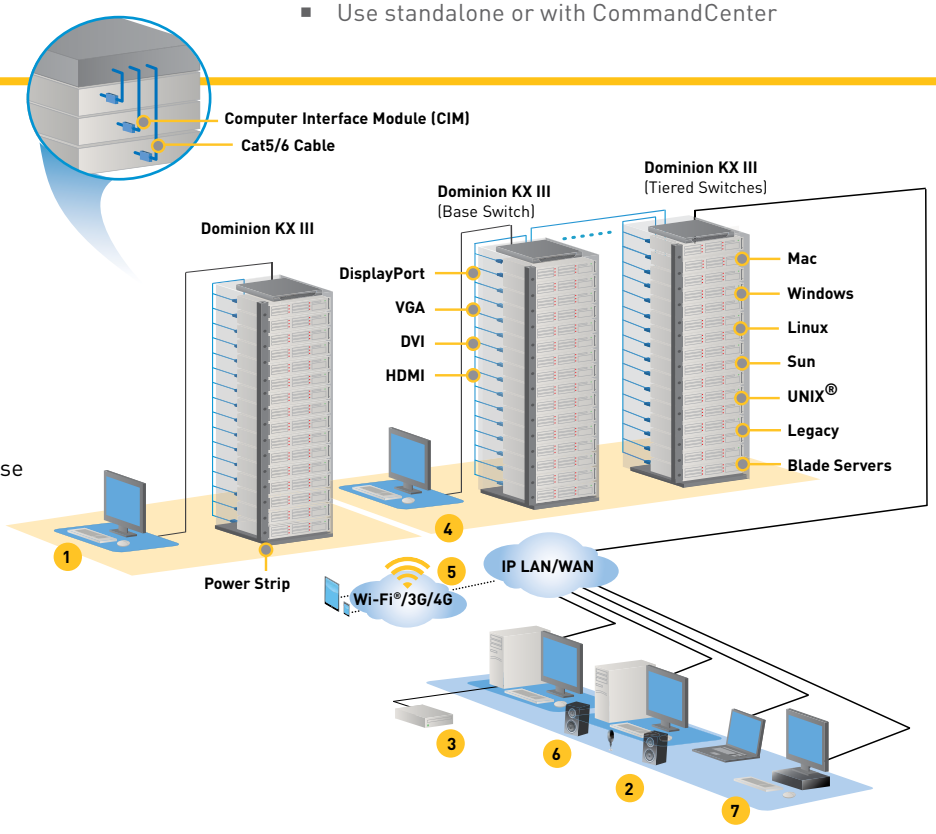
- 1920x1200 HD Analog & Digital video
- Up to 30 FPS HD Video with Audio
- DVI Digital Local Port provides fast GUI performance
- High quality video with low bandwidth and low 50 msec latency
- Full-screen video display and flexible video scaling
- Dual monitor support
- Dual video cards with extended desktop
- Supports 1920x1080, 1920x1200 and 1600x1200 remote video resolutions
- High (24-bit) color palette support

HASSLE-FREE, HIGH PERFORMANCE IP USER STATIONS

- Two hardware appliances for broadcast studios, labs and control rooms
- Productive, easy-to-use, multi-monitor user interface
- Simultaneously view and control 8 or more servers and IP sessions
- Can even work across 4, 6, 9 or more monitors
- RDP, VNC, VMware, web links, and SSH access
- Use standalone or with CommandCenter

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 or KX IV User Stations (DKX3-UST, DKX4-UST)



Model Numbers	Description	Dimensions (WxDxH)	Weight
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
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
DKX3-816	16 server ports, 8 remote users, 1 local port for use at the rack		
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		

* All models have dual power supplies 110V/240V @ 50-60Hz, 1.8A, 60W, and heat dissipation of 52 KCAL.

Dominion Serial Access Modules (DSAMs)	
DSAM-4 — Module with 4 "true" serial ports connecting to the KX III switch via USB	DSAM-2 — Module with 2 "true" serial ports connecting to the KX III switch via USB

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
D2CIM-VUSB-USBC — Single USB-C CIM for virtual media and Absolute Mouse Synchronization	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	DCIM-PS2 — CIM for PS/2

Specifications for All Dominion KX III Models	
Form Factor	1U and 2U full width, rack mountable (brackets included)
Operating Temperature Humidity	0º - 45º C (32º - 113º 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 with Advanced Replacement*

D2CIM-DVUSB-DP

D2CIM-DVUSB-HDMI

D2CIM-VUSB

D2CIM-DVUSB-DVI

DSAM-4

D2CIM-DVUSB

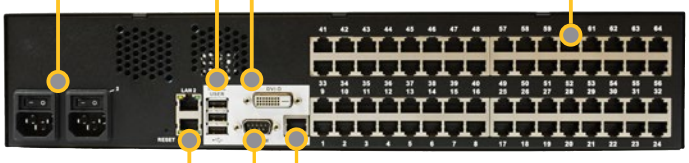
Dominion KX III Ports and Connections

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

Tiering Port

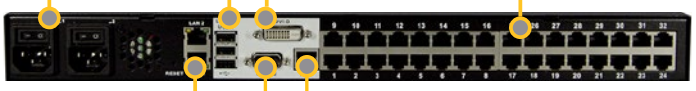
Modem Port

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

Tiering Port

Modem Port

Visit www.raritan.com/kxiii
or Call 1.800.724.8090 for more information.

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