Dominion® KX III G2

THE NEXT GENERATION OF KVM-OVER-IP

The Dominion® KX III G2 is a versatile enterprise-class KVM-over-IP switch that provides up to eight users with remote BIOS-level control of up to 64 servers. It comes with standard features, including HDMI/DisplayPort/USB-C digital and analog video, audio, virtual media, smart card/CAC support, and smart card/CAC/PKI login to KX III G2, as well as mobile access. Deploy it alone or with Raritan's CommandCenter® Secure Gateway (CC-SG) for centralized access to all KX III G2s or with the Enhanced 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 eight serial devices with the 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 G2's video processing engine supports dynamic broadcast applications that require 1920x1200 HD resolution, 24-bit color, digital audio, dual monitors, and video via HDMI, DisplayPort, USB-C, and VGA. View streaming 1080p video at 60 frames per second over your LAN. Two high-performance IP-enhanced user stations are available for labs, studios, and control rooms.

Benefits

- Shorten MTTR & Increase Uptime
- Avoid travel
- Increase productivity
- Increase 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
- KX III G2 login via Smart Cards, CAC, and PKI
- 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 G2 SDK and API

MILITARY-GRADE SECURITY AND RELIABILITY

KX III G2 meets widely used U.S. and Canadian government security mandates, including FIPS 140-2 certified cryptographic module, smart card/CAC with smart card/ CAC/PKI login to KX III G2, two-factor RSA SecurID and IEEE 802.1X authentication, and IPv6. With dual power supplies and dual gigabit Ethernet ports, it provides superior reliability and security.

Perfect For Traditional IT And Lab Applications

COMPLETE 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

- 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 for emergency access
- Native Windows and HTML5 KVM clients support Windows, iOS, Linux, and Mac users
- Multi-browser access for Internet Explorer, Chrome, and Firefox

A FLEXIBLE AND SCALABLE SOLUTION

- Models with 64 ports
- CIMs available for USB, USB-C, and USB with virtual media
- CIMs supporting analog VGA video, HDMI, USB-C, and DisplayPort Video
- Support for Dell, HP, and Cisco servers
- Tiering support for up to 1,024 servers *Coming Soon
- Scales to thousands of servers with Raritan's CommandCenter
- Java-free KVM Clients for Windows, iOS, Linux, and Mac
- Integrate and automate with our SDK & API

Secure And Reliable

MILITARY-GRADE SECURITY & RELIABILITY

- Uses FIPS 140-2-certified cryptographic module
- Smart card / CAC authentication — local and remote
- Direct KX III G2 login via smart cards, CAC, and PKI
- 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 60 FPS HD Video with audio
- HDMI 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
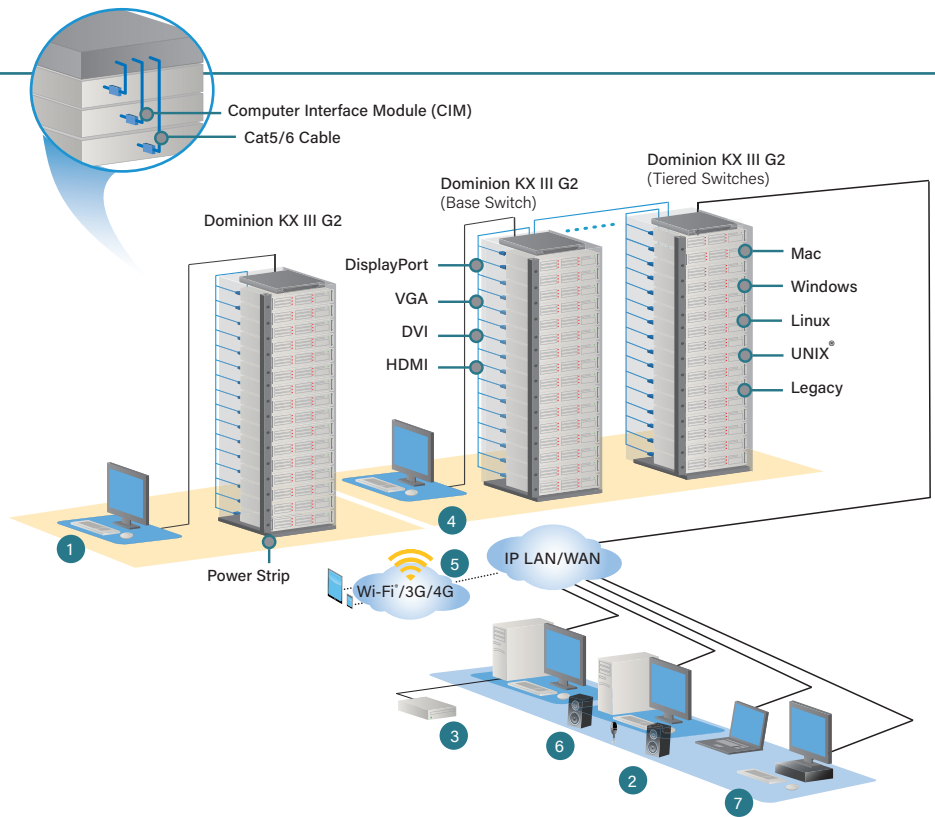- High (24-bit) color palette support

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 Enhanced User Stations (DKX3-EUST, DKX4-EUST)

Computer Interface Module (CIM)
Cat5/6 Cable

Dominion KX III G2
Dominion KX III G2 (Base Switch)
Dominion KX III G2 (Tiered Switches)

DisplayPort
VGA
DVI
HDMI

Mac
Windows
Linux
UNIX®
Legacy

Power Strip
Wi-Fi®/3G/4G
IP LAN/WAN

Model number	Description	Dimensions (WxDxH)	Weight	Power
DKX3G2-864	64 server ports, 8 remote users, HDMI local port, virtual media, dual power	17.3" x 13.3" x 3.5"; 440mm x 338mm x 88mm	14.5 lbs.; 6.17kg	Dual Power: 110V/240V @ 50-60Hz, 1.8A, 78W, and heat dissipation of 52 KCAL
DKX3G2-464	64 server ports, 4 remote users, HDMI local port, virtual media, dual power	17.3" x 13.3" x 3.5"; 440mm x 338mm x 88mm	14.5lbs; 5.89kg	Dual Power: 110V/240V @ 50-60Hz, 1.8A, 74W, and heat dissipation of 52 KCAL

Dominion Serial Access Modules (DSAMs)	
DSAM-4 — Module with 4 "true" serial ports connecting to the KX III G2 switch via USB	DSAM-2 — Module with 2 "true" serial ports connecting to the KX III G2 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-USBG2 — CIM for USB and Sun USB	DCIM-PS2 — CIM for PS/2

Specifications for All Dominion KX III G2 Models	
Form Factor	2U full-width, rack-mountable (brackets included)
Operating Temperature Humidity	0 - 45°C, 0 - 85% RH
Remote Connection Network	Dual 10/100/1000 gigabit Ethernet access; dual stack: IPv4 and IPv6
Modem Port Protocols	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 HDMI, 1 USB front, 3 USB rear RJ45
Sample Video Resolutions PC text mode PC graphic mode	640x350, 640x480, 720x400 640x480, 800x600, 1024x768, 1152x864, 1280x1024, 1440x900, 1680x1050, 1600x1200, 1920x1080, 1920x1200
Warranty	Two Years with Advanced Replacement

D2CIM-DVUSB

D2CIM-VUSB
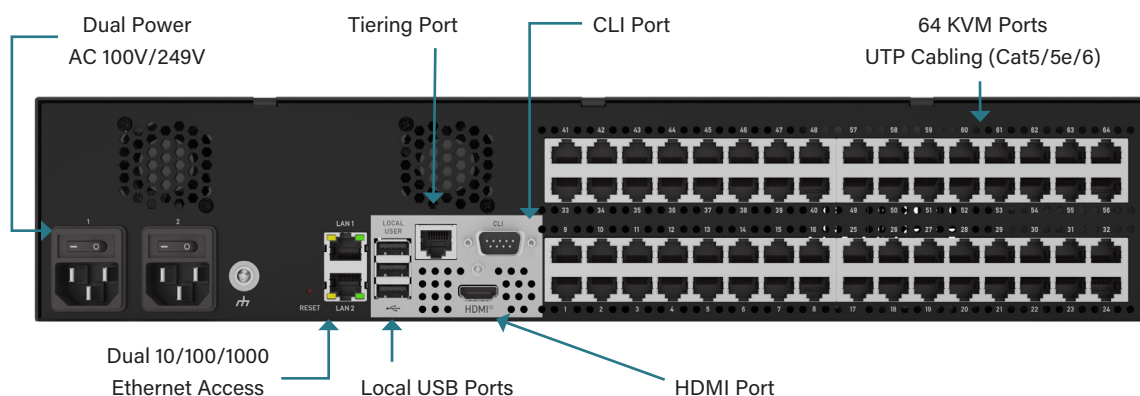

D2CIM-DVUSB-DVI

D2CIM-DVUSB-HDMI

D2CIM-DVUSB-DP

DSAM-4

DOMINION KX III G2 PORTS AND CONNECTIONS

Dual Power AC 100V/249V

Tiering Port

CLI Port

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

Dual 10/100/1000 Ethernet Access

Local USB Ports

HDMI Port

To learn more visit

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