



Dominion® KX III G2

SCALABLE. SECURE. SEAMLESS. MEET DOMINION KX III G2 KVM-OVER-IP.

Dominion KX III G2 is the next-generation enterprise IP-over-KVM switch, designed for modern IT infrastructure. Built on the powerful Xerus platform, it offers unmatched flexibility and interoperability, enabling BIOS-level access from anywhere. With low bandwidth use, high-performance video, and robust encryption, it ensures secure and efficient remote management. No matter if you're managing 6 or 96 servers, Dominion KX III G2 scales effortlessly to meet your remote access needs.

IT, DATA CENTERS, AND LABS

Eliminate trips to the data center. Java-free Virtual Media allows administrators to remotely install software, transfer files, and back up data from anywhere. Manage up to eight serial devices with Dominion Serial Access Modules (DSAM), and access or control servers directly from Apple iOS devices or through Raritan's CommandCenter Secure Gateway.

BROADCAST AND ENTERTAINMENT

The KX III G2's advanced video processing engine supports demanding broadcast environments with 1920×1200 HD resolution, 24-bit color, digital audio, and dual-monitor support. Compatible with HDMI, DisplayPort, USB-C, and VGA, it delivers smooth 1080p video at 60 frames per second across your LAN. Two high-performance IP-based user stations are available for labs, studios, and control rooms.

BENEFITS

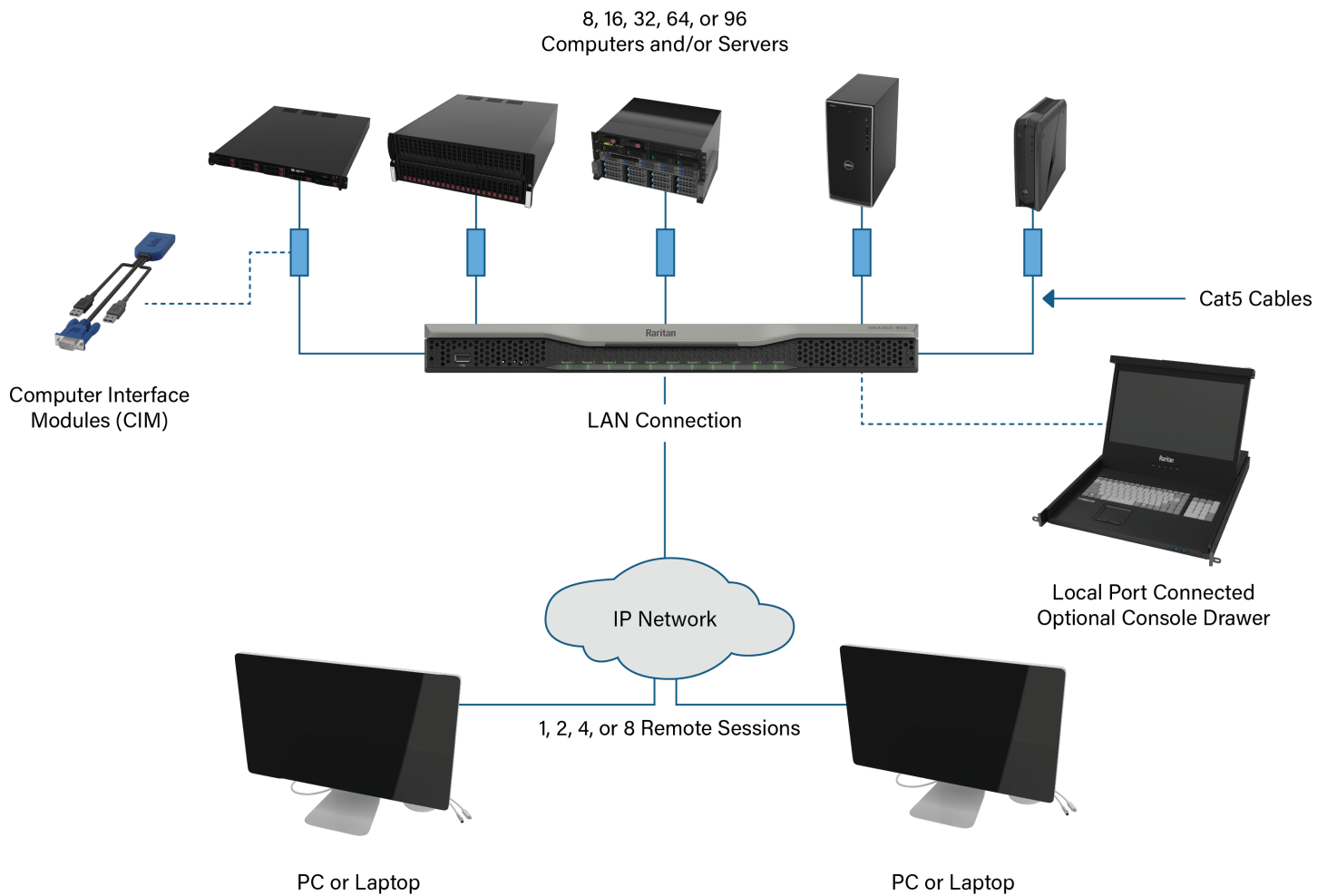
- Shorten Mean Time to Repair (MTTR) & increase uptime
- Avoid on-site travel & truck rolls
- Increase IT productivity across distributed environments
- Strengthen security for remote access & control
- Improve operational continuity

FEATURES

- BIOS-level remote access & control
- High-performance audio & video
- Digital & analog video support
- Java-free KVM with virtual media
- Military-grade security
- Smart Card, CAC, & PKI authentication
- Two-factor authentication & IEEE 802.1X
- Support up to eight serial ports
- Mobile access for iPad & iPhone
- Remote power control
- Centralized management via CC-SG integration
- Extensibility through SDK & API

TOPOLOGY DIAGRAM

IN THE DIAGRAM BELOW DOMINION KX III G2 PROVIDES:



MILITARY-GRADE SECURITY AND RELIABILITY

The KX III G2 meets widely adopted U.S. and Canadian government security standards, including a FIPS 140-3 with a firmware update (v 4.2)-certified cryptographic module. It supports smart card/CAC/PKI authentication, two-factor RSA SecurID, IEEE 802.1X authentication, and IPv6. Dual power supplies and dual Gigabit Ethernet ports ensure maximum reliability, uptime, and secure operation.

BENEFITS AND SUPPORTING FEATURES

FLEXIBLE ACCESS FOR SEAMLESS CONTROL

Remotely access and manage your infrastructure on your terms, using one of the industry's most flexible KVM-over-IP platforms. For large-scale deployments, the KX III G2 includes a client SDK and APIs to simplify provisioning and management.

- **24/7 Remote Access**

Access and manage critical IT infrastructure from anywhere, at any time, through a single, secure interface. 24/7 BIOS-level remote access enables administrators to troubleshoot, reboot, and recover systems without onsite intervention, helping reduce MTTR (Mean Time to Repair), maximize uptime, and eliminate costly travel.

- **Simultaneous Local Access**

The KX III G2 provides a local HDMI port for convenient, at-the-rack access when on-site intervention is required. Designed for fast troubleshooting and system recovery, the local interface delivers high-quality video and direct access to connected devices.

- **Java-Free Virtual Media**

The Dominion KX III G2 includes Java-free virtual media capabilities that enable remote software installation, system booting, and diagnostics using a wide variety of media formats and drive images. By eliminating the need for legacy Java plugins, it enhances security, improves browser compatibility, and allows administrators to perform critical maintenance tasks remotely, reducing downtime and minimizing the need for on-site visits.

- **SDK and Management API**

The KX III G2 Software Development Kit (SDK) and Application Programming Interface (API) are available free of charge for automation and custom application development.

HIGH-PERFORMANCE REMOTE ACCESS. NO TRADE-OFFS.

With its innovative video processing, which enables high-performance video and audio, Dominion KX III G2 offers an at-the-rack experience from anywhere. With a faster CPU and the lowest available bandwidth use of any KVM, you can run Dominion KX III G2 on your production network, reducing operating costs.

- **High Performance Video and Audio**

The KX III G2 KVM-over-IP Switch features upgraded hardware delivering high-performance video processing for faster response times in demanding environments. Advanced video processing algorithms provide an at-the-rack user experience with optimized bandwidth efficiency, delivering smooth, responsive access over LAN, WAN, or Internet connections. Bandwidth is consumed only when the screen is active, minimizing network impact during idle periods and ensuring exceptional performance for video-intensive applications.

- **Optimize Bandwidth**

The KX III G2 provides flexible remote client settings that let sessions fine-tune bandwidth usage and performance to match their environment. Default configurations deliver at-the-rack performance, with easy controls to optimize video processing and compression for IT or video-intensive applications.

- **Supports 60 frames per second (FPS)**

The KX III G2 delivers smooth 60 fps, 1080p, or 1920×1200 video-over-IP with audio, making it ideal for broadcast and other video-intensive applications.

- **Color Subsampling: 4:4:4/4:2:2**

Supports advanced color subsampling for 4:4:4 and 4:2:2 across all resolutions, enabling sessions to balance image quality and bandwidth efficiency.

SECURE ACCESS, BY DESIGN.

Designed with security at its core, Dominion KX III G2 includes an enterprise-level security stack built to protect critical infrastructure in modern, distributed environments. With encrypted connections, advanced features such as AES, FIPS, and smart card authentication, and firewall-controlled access, Dominion KX III G2 enables secure remote management without compromising compliance requirements.

- **Secure Boot and TPM Chip**

The DKX III G2 features Secure Boot, which verifies firmware integrity at startup to prevent unauthorized or malicious software from taking control of the KVM system. An integrated TPM (Trusted Platform Module) provides hardware-based protection for cryptographic keys and credentials.

- **Military-Grade Encryption**

Secure remote sessions with advanced encryption technologies, including AES encryption and FIPS-compliant cryptographic capabilities, helping organizations protect sensitive data and meet stringent security requirements. Comprehensive audit logging provides visibility and data to support compliance and security monitoring.

- **IPv6 Certification**

The KX III G2 is IPv6 certified, ensuring seamless compatibility with modern network infrastructures and readiness for next-generation IP environments.

- **Xerus Technology Platform Security**

The Xerus technology platform strengthens infrastructure security through support for the latest network security protocols, advanced data encryption, strong password policies, and robust login protection.

EFFORTLESS SCALABILITY

Enabling OOB (Out-of-Band) management with BIOS-level access, the Dominion KX III G2 delivers enterprise-grade control for up to 96 devices. With multi-unit linking and automated provisioning, scaling your infrastructure is seamless. With direct access to underlying hardware beyond the operating system, you'll have scalable access to patches, repairs, and other critical fixes.

- **Remote BIOS-Level Access**

The Dominion KX III G2 delivers the industry's highest-performing and most flexible KVM-over-IP technology, enabling users to access servers remotely via LAN, WAN, Internet, and mobile. Administrators gain BIOS-level control to troubleshoot, reconfigure, reboot, and power cycle servers from anywhere.

- **High-Density, Multi-User Access**

With multiple hardware models supporting up to 96 ports, the DKX III G2 enables simultaneous access for 1, 2, 4, or 8 sessions to manage 8, 16, 32, 64, or 96 servers.

- **Single Pane of Glass**

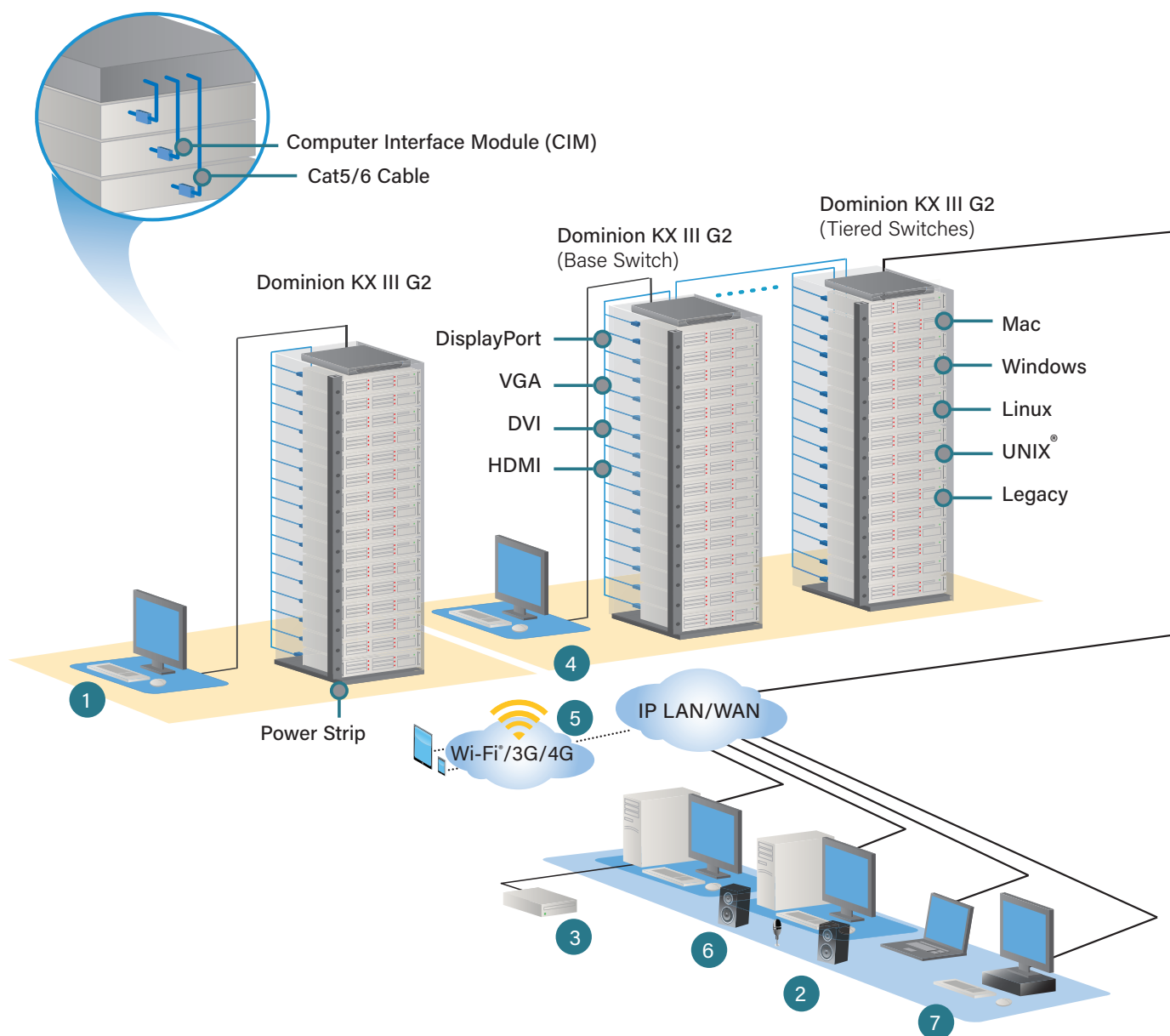
CommandCenter Secure Gateway (CCSG) provides a centralized management platform that delivers a single pane of glass for accessing and managing equipment across all your locations worldwide.

- **Device-Agnostic Connectivity**

A comprehensive suite of multiplatform CIMs enables seamless connections to VGA, DVI, HDMI, and DisplayPort video interfaces, as well as USB and USB with virtual media, ensuring broad compatibility across diverse server and device environments.

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)



Model Number	Description	Dimensions (WxDxH)	Weight	Power
DKX3G2-108	8 server ports, 1 remote session, HDMI local port, virtual media, dual power	17.3" x 13.1" x 1.7"; 440 x 334 x 44 mm	9.8 lbs; 4.46 kg	Dual Power: 110V/240V @ 50-60Hz, 1.8A, 35W, and heat dissipation of 52 KCAL
DKX3G2-116	16 server ports, 1 remote session, HDMI local port, virtual media, dual power	17.3" x 13.1" x 1.7"; 440 x 334 x 44 mm	9.8 lbs; 4.46 kg	Dual Power: 110V/240V @ 50-60Hz, 1.8A, 35W, and heat dissipation of 52 KCAL
DKX3G2-132	32 server ports, 1 remote session, HDMI local port, virtual media, dual power	17.3" x 13.1" x 1.7"; 440 x 334 x 44 mm	9.8 lbs; 4.46 kg	Dual Power: 110V/240V @ 50-60Hz, 1.8A, 35W, and heat dissipation of 52 KCAL
DKX3G2-216	16 server ports, 2 remote sessions, HDMI local port, virtual media, dual power	17.3" x 13.1" x 1.7"; 440 x 334 x 44 mm	9.8 lbs; 4.46 kg	Dual Power: 110V/240V @ 50-60Hz, 1.8A, 35W, and heat dissipation of 52 KCAL
DKX3G2-232	32 server ports, 2 remote sessions, HDMI local port, virtual media, dual power	17.3" x 13.1" x 1.7"; 440 x 334 x 44 mm	9.92 lbs; 4.5 kg	Dual Power: 110V/240V @ 50-60Hz, 1.8A, 35W, and heat dissipation of 52 KCAL
DKX3G2-416	16 server ports, 4 remote sessions, HDMI local port, virtual media, dual power	17.3" x 13.1" x 1.7"; 440 x 334 x 44 mm	9.8 lbs; 4.46 kg	Dual Power: 110V/240V @ 50-60Hz, 1.8A, 35W, and heat dissipation of 52 KCAL
DKX3G2-432	32 server ports, 4 remote sessions, HDMI local port, virtual media, dual power	17.3" x 13.1" x 1.7"; 440 x 334 x 44 mm	9.92 lbs; 4.5 kg	Dual Power: 110V/240V @ 50-60Hz, 1.8A, 35W, and heat dissipation of 52 KCAL
DKX3G2-464	64 server ports, 4 remote sessions, HDMI local port, virtual media, dual power	17.3" x 13.3" x 3.5"; 440 x 338 x 88 mm	13.36 lbs; 6.06 kg	Dual Power: 110V/240V @ 50-60Hz, 1.8A, 52W, and heat dissipation of 52 KCAL
DKX3G2-808	8 server ports, 8 remote sessions, HDMI local port, virtual media, dual power	17.3" x 13.1" x 1.7"; 440 x 334 x 44 mm	9.8 lbs; 4.46 kg	Dual Power: 110V/240V @ 50-60Hz, 1.8A, 35W, and heat dissipation of 52 KCAL
DKX3G2-816	16 server ports, 8 remote sessions, HDMI local port, virtual media, dual power	17.3" x 13.1" x 1.7"; 440 x 334 x 44 mm	9.8 lbs; 4.46 kg	Dual Power: 110V/240V @ 50-60Hz, 1.8A, 35W, and heat dissipation of 52 KCAL
DKX3G2-832	32 server ports, 8 remote sessions, HDMI local port, virtual media, dual power	17.3" x 13.1" x 1.7"; 440 x 334 x 44 mm	9.92 lbs; 4.5 kg	Dual Power: 110V/240V @ 50-60Hz, 1.8A, 35W, and heat dissipation of 52 KCAL
DKX3G2-864	64 server ports, 8 remote sessions, HDMI local port, virtual media, dual power	17.3" x 13.3" x 3.5"; 440 x 338 x 88 mm	13.36 lbs; 6.06 kg	Dual Power: 110V/240V @ 50-60Hz, 1.8A, 74W, and heat dissipation of 52 KCAL
DKX3G2-896	96 server ports, 8 remote sessions, HDMI local port, virtual media, dual power	17.3" x 13.3" x 5.2"; 440 x 338 x 132 mm	17.66 lbs; 8.01 kg	Dual Power: 110V/240V @ 50-60Hz, 1.8A, 86W, 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
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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
D2CIM-DVUSB-MDP — Dual USB, Mini DisplayPort CIM for BIOS virtual media and advanced features	

Specifications for All Dominion KX III G2 Models

Form Factor	1U, 2U, or 3U 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

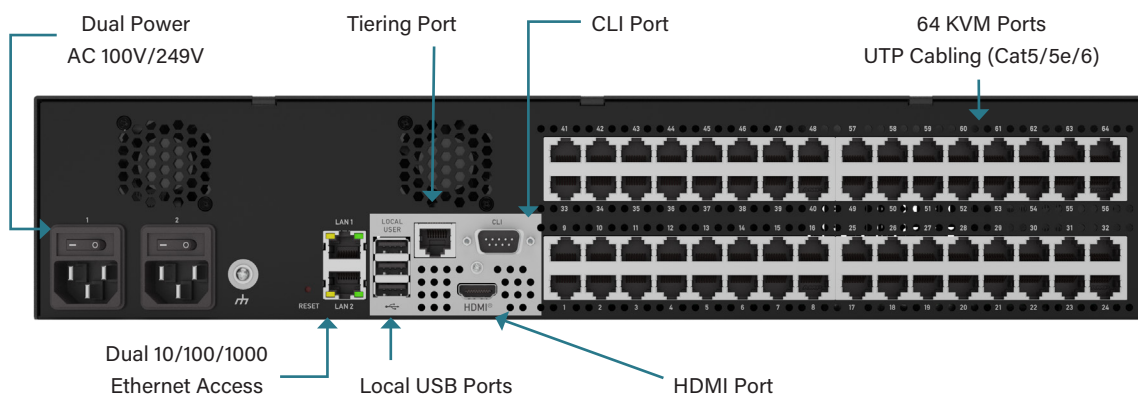


D2CIM-DVUSB-DP



DSAM-4

DOMINION KX III G2 PORTS AND CONNECTIONS



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