Raritan
A brand of legrand

DOMINION® KX IV-101

ULTRA HIGH PERFORMANCE SINGLE-PORT KVM-OVER-IP SWITCH WITH 4K VIDEO

The Dominion KX IV-101, Raritan's fourth generation KVM-over-IP switch, provides a new level of Ultra HD performance for KVM-over-IP remote management. More powerful than any other KVM-over-IP switch, it supports unblocked, Java-free anytime / anywhere, BIOS-level remote access of servers, PC's and workstations. The KX IV connects to a single computer, providing un-blocked access to multiple users via laptop, PC or Dominion User Station. Manage up to 8 serial devices with the optional Dominion Serial Access Modules (DSAM). New fanless operation with no moving parts — silent with enhanced reliability and longer life.

4K ULTRA HD DIGITAL PERFORMANCE

The KX IV-101 supports access to servers with 4K video resolution (3840x2160), up to 30 frames per second with 4:2:2 color. It also supports HD resolutions up to 1920x1080 and 1920x1200 at up to 60 frames per second with high quality 4:4:4 color. The KX IV has an all-digital architecture for ultra fast video performance and high video quality, with virtual media transfers up to 15 times faster than the Dominion KX III. The KX IV has user-configurable bandwidth to operate across LAN, WAN and Internet.

PRODUCTIVE DOMINION FEATURES

The KX IV supports many of the popular Dominion features such as: virtual media, absolute mouse synchronization, LDAP/Radius/AD authentication, AES encryption, support for up to 8 simultaneous sessions, and much more. Users can use the Dominion KVM Clients for Java-free access, as well as the Dominion KX User Stations for high performance access in labs, studios and control rooms.

COMMAND CENTER & USER STATION COMPATIBLE

Dominion KX IV is incredibly scalable. A large number of KX IV switches can be integrated through the Dominion User Station and/or Raritan's CommandCenter Secure Gateway, with convenient single sign-on. The powerful Dominion User Station works standalone or with CommandCenter.

HIGHLIGHTS

- Single-port, unblocked, BIOS-level, KVM-over-IP Access for up to 8 users
- 4K Ultra HD Performance
- Digital Video Quality
- Up to 15X Faster Virtual Media

FEATURES

- Ultra HD, 4K30 HDMI Video
- 1080p @ 60 frames-per-second
- 1080p High Quality 4:4:4 Color
- HDMI Audio
- Java-Free, Anytime/Anywhere Access
- Input / Output Device Control
  - ☐ Power on/off PC/Server
- Laptop / PC / User Station
- New Platform / User Interface
- Pass-through Local Port
- Manage up to 8 serial devices
- CommandCenter & User Station integration

APPLICATIONS

- Broadcast & Control Room
- Government & Military
- IT & Lab Administration
- Video and Dynamic Applications
- Remote Office/Facilities/Factory
- 4K Applications
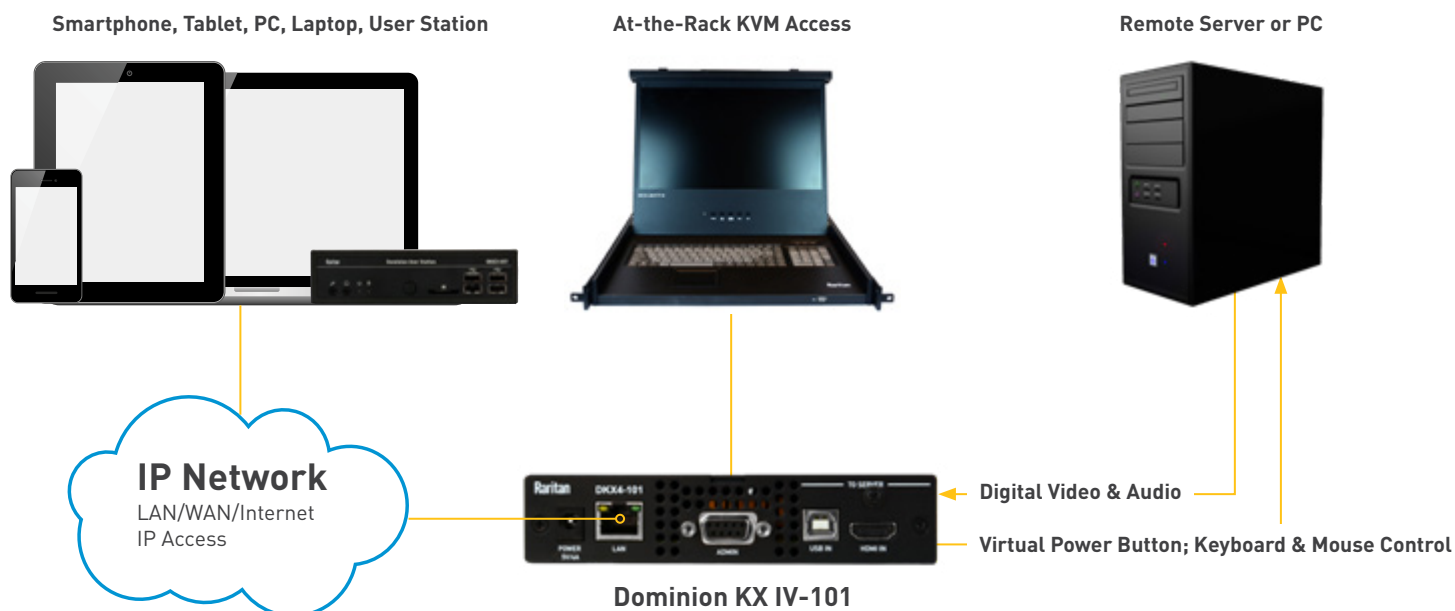
4TH GENERATION ULTRA HD PERFORMANCE

ULTRA HD 4K VIDEO

- All Digital Architecture
- 4K Video, up to 30 FPS with 4:2:2 color
- 1440p and 1600p resolutions

HIGHEST QUALITY 1080P VIDEO

- 1080p Video at up to 60 FPS
- 1080p Video with 4:4:4 Color

Smartphone, Tablet, PC, Laptop, User Station

At-the-Rack KVM Access

Remote Server or PC

IP Network
LAN/WAN/Internet
IP Access

Digital Video & Audio

Virtual Power Button; Keyboard & Mouse Control
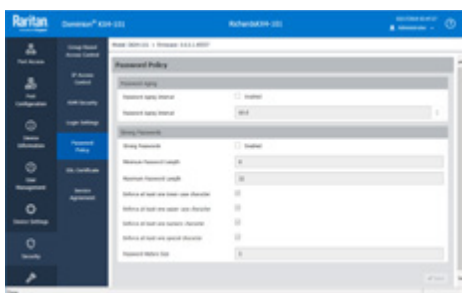
Dominion KX IV-101

4TH GENERATION VIDEO ENGINE

- All Digital Architecture for High-Speed, Clean, Low Latency Digital Video
- Native HDMI Video Format
- Available Cable Adapters for VGA, DVI, Display-Port, Mini DisplayPort & USB-C
- Embedded HDMI Digital Audio
- User Configurable Bandwidth for LAN, WAN and Internet Usage

NEXT GENERATION COMMON PLATFORM

- New Fourth Generation KVM/IP Platform
- Based On Common Raritan Platform
- Performance, Reliability & Security
- All Digital Architecture
- Ultra High Performance 4K Video Engine
- Productive, Java-free HTML5 User Interface
- Apple iPhone/iPad Configuration via USB

DOMINION® KX IV FEATURES

POPULAR DOMINION FEATURES

- High Speed Virtual Media
- Absolute Mouse Synchronization
- LDAP, AD, and RADIUS Authentication
- PC Share Access by up to 8 Users
- Configurable User Group Permissions
- 256-bit AES Encryption
- Dual-stack IPv6 Networking
- SNMP Syslog, & Email Notifications

JAVA-FREE REMOTE ACCESS

- Out-of-Band, BIOS-Level Access
- Three KVM Client Alternatives
  - Java-free HKC
  - Microsoft Windows .NET AKC
  - Java-based VKC
  - Java-free serial access via DSAM
- Dominion KX III and new KX IV User Stations

VIRTUAL POWER BUTTON

- Can Remotely Power On/Off Devices Using the External Device Control Feature
- Wire the Output Terminals to the Power or Reset Pins on the Computer Motherboard
- Use the KX IV-101 Web-Based Interface to Remotely Power On/Off a Computer System

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Pin	Description
1	Relay Normally Open Output (NO)
2	Relay Common (C)
3	Relay Normally Closed Output (NC)
4	Input
5	Input Ground

EXTERNAL DEVICE CONTROL

- 5 Pin Terminal Block for External Control
- Output Relay Control to Turn on/off DC Powered Device such as Buzzer, Light or System/Computer
- Normally Open or Closed Options
- Input Terminals Detect Open or Closed Circuit to Control KX IV Local and Remote Access

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HARDWARE FEATURES

- Pass-Through Local Port — HDMI & USB
- Gigabit Ethernet Port
- 5-Pin Terminal Block for External Device Input and Output Control
- Configure Using Serial Port or via iPhone via USB Cable
- New fanless, silent operation with enhanced reliability

- Power Adapter with Locking Plug
- Factory Reset Button
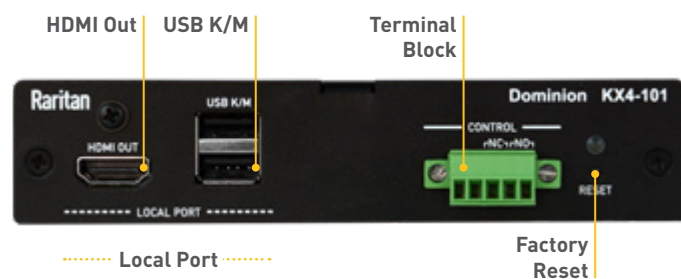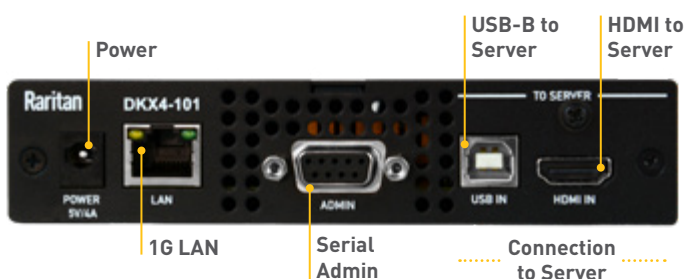- Included Rackmount L Bracket
- Available 3 Unit 1U Bracket

DOMINION KX IV-101 SPECIFICATIONS

Feature	Description
Form Factor	Zero-U form factor, L bracket included, 3 units rack in 1U with RACK-KIT-DKX4-101-3
Power	Single, auto-sensing power with locking cord, 100-240 Volt AC 50-60Hz, 12.5W/20W max/operating
Environmental	Operating Temperature/Humidity: 0°C–55 °C / 20%-80% RH Storage Temperature/Humidity: -20°C–80 °C / 10%-90% RH
Dimension / Weight	140mm (W) x 144mm (D)x 30mm (H), 5.51" (W) x 5.67" (D) x 1.18" (H). 0.65kg (1.42 lbs)
Remote Connection Network Protocols	1 Gigabit Ethernet (RJ-45) port IPv6/IPv4 dual stack, TCP/IP, Telnet, SSH, HTTPS, RADIUS, LDAP, DHCP and SNMP v2 & v3
Server Connection	HDMI Port with locking cord, USB-B to server USB-A port
Local Connection	HDMI passthrough port. 2xUSB-A port for keyboard and mouse control
Sample Video Resolutions	1024x768@60Hz, 1280x720@60Hz,1280x1024@60Hz, 1360x768@60Hz, 1400x1050@60Hz 1440x900@60Hz, 1600x1200@60Hz, 1920x1080@60Hz, 1920x1200@60Hz, 1680x1050@60Hz 2560x1440@60Hz, 2560x1600@60Hz, 3840x2160@30Hz, 4096x2160@30Hz
Terminal Block	Output Pins: Normally Open, Normally Closed, Common (Dry Contact). Supported load: 2A/30VDC, or 0.5A/60VDC or 0.3A/125VAC Input Pins: Input & Input Ground (Dry Contact). Does not support any power input.
Warranty	Two years standard warranty with advance replacement Three Additional Years of Warranty is available

PART NUMBERS

Part Numbers	Description
DKX4-101	Single port, ultra HD performance, 4K KVM over-IP Switch, HDMI/USB pass-through local port
D4CBL-DP-HDMI	6 ft DisplayPort to HDMI cable to connect DKX4-101 to a server with DisplayPort Video
D4CBL-MDP-HDMI	6 ft Mini DisplayPort to HDMI cable to connect DKX4-101 to a server with Mini Display Port
D4CBL-DVI-HDMI	6 ft DVI to HDMI cable to connect DKX4-101 to a server with up to 1920x1200 DVI video
D4CBL-USBC-HDMI	USB-C Docking Station with 4K HDMI and USB to connect DKX4-101 to a server with USB-C
D4CBL-VGA-HDMI	VGA + analog audio to HDMI Adapter with up to 1920 x 1200 or 1600x1200 VGA video
D4CBL-ADUPS2	VGA & PS2 to HDMI & USB KVM Converter, supports up to a 1920x1200 resolution at 60Hz
D4CBL-RS232-USB	USB to RS232 & RS232 to USB Converter for industrial control applications
DSAM-2, DSAM-4	2 & 4 port, zero-u devices for true serial access to serial devices
RACK-KIT-DKX4-101-3	Dominion KX IV 101 1U, three switch rack mount bracket
CVT-HDMI-VGA	HDMI to VGA converter for DKX4-101 local port monitor, (1920 x 1200 or 1600x1200 video)
WARDKX4-101/24A-1	1-Yr Extended Warranty for DKX4-101 Gold
WARDKX4-101/24A-2	2-Yr Extended Warranty for DKX4-101 Platinum

PORTS AND CONNECTIONS

Visit www.raritan.com/ap/kxiv-101

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