**Raritan**
A brand of **legrand®**

# SWITCHLESS, SCALABLE, SINGLE-SERVER KVM-OVER-IP

## ENTERPRISE-CLASS KVM-OVER-IP TECHNOLOGY IN A PALM-SIZE DEVICE

Dominion KX II-101 V2 is a next-generation KVM-over-IP device that eliminates the blocking factor inherent in switched KVM architectures to provide anytime, anywhere un-blocked access and BIOS-level control of a single server, via a dedicated IP address. The Dominion KX2-101 V2 raises the bar with standard features such as: virtual media, absolute mouse synchronization, 1920x1080 video resolution, Asian language support, IPv6, secure FIPS 140-2 encryption and mobile access via iPhone® or iPad®.

## A FULL SET OF FEATURES PLUS AN INNOVATIVE USER INTERFACE

The Dominion KX II-101 V2 is a small but complete package of KVM-over-IP innovations. It works with the industry's widest range of browsers and operating systems, so you can use almost any combination of OS and browser. It also incorporates Raritan's Virtual KVM Desktop™ features to provide a user experience that is indistinguishable from an at-the-rack connection.
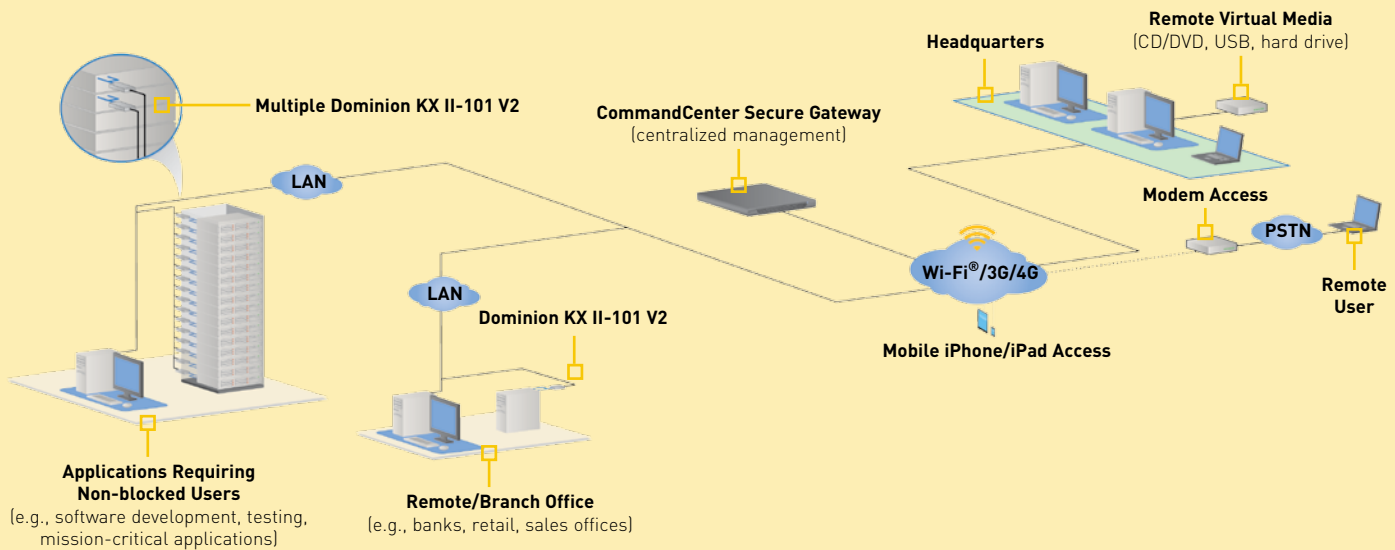
## COMMANDCENTER® CERTIFIED FOR SCALABILITY

Dominion KX II-101 V2 is incredibly scalable. And because it is CommandCenter-certified, a large number of Dominion KX II-101 V2 units can be integrated through Raritan's CommandCenter Secure Gateway into a single logical network, with a single sign-on from a single IP address.

## PRODUCTIVITY, EFFICIENCY AND SECURITY IN A "ZERO-U," SINGLE-PORT DEVICE

### FEATURES

- Palm-size and highly portable, the Dominion KX II-101 V2 can be mounted vertically or horizontally on the side of a rack, making it ideal for small, remote locations with a limited number of servers

- Multiple Dominion KX II-101 V2 devices can be installed in a data center, lab environment or remote offices to provide fully non-blocked, switchless access by any user to any server – even if the OS is unavailable – reducing downtime, MTTR and labor costs

- Dominion KX II-101 V2 features Absolute Mouse Synchronization™, which reduces installation time and sets a new standard for mouse synchronization

- Virtual media gives users the ability to transfer files for patches and upgrades from any location, speeding up the upgrade process and reducing travel costs

- Dominion KX II-101 V2 also provides a greater level of security than other remote access methods, feature-rich management functionality and the highest quality video available, all over an IP network

# NEXT-GENERATION FEATURES WITH LIMITLESS NON-BLOCKED ACCESS

Headquarters

Remote Virtual Media
(CD/DVD, USB, hard drive)

Multiple Dominion KX II-101 V2

CommandCenter Secure Gateway
(centralized management)

Modem Access

LAN

PSTN

Wi-Fi®/3G/4G

Remote User

LAN

Dominion KX II-101 V2

Mobile iPhone/iPad Access

Applications Requiring
Non-blocked Users
(e.g., software development, testing,
mission-critical applications)

Remote/Branch Office
(e.g., banks, retail, sales offices)

## VERSATILE APPLICATIONS

The Dominion KX II-101 V2's unique form factor and non-blocked access make it an ideal remote management platform for:

- Small business, home or branch offices
- Small numbers of servers in remote mission-critical environments, such as energy, utilities, government and military
- Environments that require multaneous, non-blocking connections between large numbers of users and target devices, such as software development labs
- Environments where un-blocked access to mission-critical servers is required
- Environments where target devices are often moved around into different configurations, such as test labs and demo rooms
- Highly mobile applications such as remote broadcast trucks and police/ fire /EMS mobile command centers
- Temporary installations such as conventions, trade shows, client/customer sites and construction trailers
- Non-IT devices such as retail/point-of-sale displays, signage and kiosks, as well as medical and military equipment

## EASY TO USE

- Absolute Mouse Synchronization reduces installation time and sets a new standard for mouse synchronization
- Virtual KVM Desktop creates a user experience virtually indistinguishable from a local server connection
- PC share mode lets up to eight users remotely access the same server for collaborative troubleshooting
- Plug-and-play appliance is easily installed; up and running in minutes
- Chinese and Japanese language support
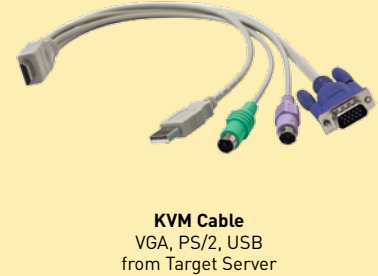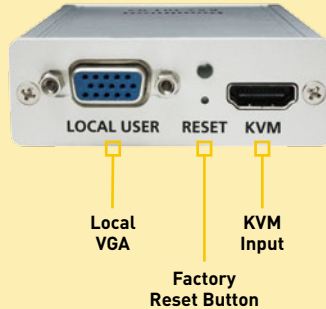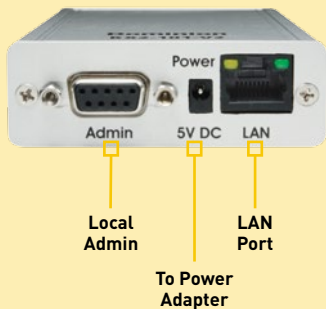- Firmware upgradeable over IP network connection

## MULTIPLATFORM COMPATIBLE

- Supports Windows®, Mac®, Linux® and Solaris™ platforms
- Works with Raritan's Multiplatform Client (MPC)
- Dual stack IPv6 and IPv4

## FLEXIBLE

- Small form factor fits in many environments
- Serial admin console port allows local configuration
- Optional modem access
- Remote power management capabilities when integrated with Dominion PX® Intelligent Power Distribution Units (iPDUs)
- Keyboard and mouse connections can be hot-plugged on most operating systems
- Direct port access can be established for quick access to target server
- Factory default settings can be reapplied via the factory reset button
- The KX II -101 V2 can be swapped while the target server is still on, minimizing server downtime
- USB or PS/2 connectivity from same unit
- Mounts horizontally or vertically on side of rack (brackets included)

# ANATOMY OF THE DOMINION® KX II-101 V2

**Power**

Admin    5V DC    LAN

**Local Admin**

**To Power Adapter**

**LAN Port**

LOCAL USER    RESET    KVM

**Local VGA**

**Factory Reset Button**

**KVM Input**

**KVM Cable**
VGA, PS/2, USB
from Target Server

## MOST SECURE DEVICE IN ITS CLASS

- Up to 256-bit AES encryption
- FIPS 140-2 encryption module for government and military customers
- Secure encryption of keyboard, mouse and video signals, as well as virtual media
- Supports strong password settings and password retry lockout
- Supports RADIUS, secure LDAP and Active Directory® – authenticating users from existing accounts
- Uses access control lists to grant, restrict or deny access
- Multiple security features including: custom SSL certificates, login banner, and configurable port numbers

## COMMANDCENTER-CERTIFIED

- Makes use of CommandCenter Secure Gateway's powerful management features, including centralized role-based policy administration, logging of system activity and user changes, as well as centralized firmware upgrade
- Scales to a large number of units across numerous sites, all accessed through a single sign-on to a single IP address
- Integrates into a single, logical "command and control" network with Raritan's entire Dominion series of KVM-over-IP switches and serial console server

## COST-EFFECTIVE

- Provides remote access and BIOS-level control where deployment of a multiport KVM switch is not economical
- Zero-U form factor saves rack space
- Minimizes expensive and inconvenient travel
- Comes complete with AC/DC adapter, KVM cable and mounting hardware
- Allows IT staff to leverage system expertise across multiple sites

## ENHANCED WITH HIGHEST QUALITY KVM-OVER-IP EXPERIENCE

- Adaptive video settings for lower bandwidth situations
- Sets a new record for Raritan's award-winning video quality, with support for 32,000 colors
- Supports up to 1920x1080 remote video resolution

## VIRTUAL KVM DESKTOP

- Full-screen video, without window borders or toolbars
- Transparent keyboard handling sends virtually all keystrokes to the target server for a more seamless user experience
- Advanced video resolution detection for fast video response and accuracy
- Flexible video scaling, lets users adjust window size from thumbnail to full-screen view
- Apple iPhone/iPad mobile access (CC-SG required)

| Feature | Description |
| --- | --- |
| **Dominion Model** | DKX2-101-V2 |
| **Form Factor** | Zero-U form factor; rack mountable vertically or horizontally (bracket kit included) |
| **Dimensions (DxWxH)** | 3.74" x 2.8" x 0.9"; 95 x 71 x 24mm |
| **Weight** | 0.42 lbs; 0.19 kg |
| **Power** | AC Power Adapter 100–240VAC, 47–63Hz, 0.1A, 6 Watts |
| **Operating Temperature** | 0°–40°C (32°–104°F) |
| **Humidity** | 20%–85% RH |
| **Indicators**<br>Device status<br>Network LEDs | Device status LED indicator<br>Network activity and connection speed indicator |
| **Local Connection** | Local Admin–DB-9(F) Serial<br>KVM Connector–Raritan KVM Cable<br>Local User Video–HD-15(F) VGA<br>Local Mouse/Keyboard–connect to Server USB |
| **Remote Connection**<br>Network protocols | 1 Ethernet (RJ45) port with activity status indicator.<br>IPv6/IPv4 dual stack, TCP/IP, Telnet, SSH, HTTP, HTTPS, secure LDAP, RADIUS, LDAP, DHCP and SNMP v2 & v3 |
| **Sample Screen Resolutions**<br>PC graphic mode<br>Sun® video moade | Up to 1920x1080 @ 60Hz,<br>640x480 @ 60/72/75/85Hz,<br>800x600 @ 56/60/72/75/85Hz,<br>1024x768 @ 60/70/75/85Hz,<br>1440x900 @ 60/70/75/85Hz,<br>1680x1050 @ 60/70/75/85Hz,<br>1152x864 @ 60/75Hz,<br>1280x1024 @ 60Hz,<br>1600x1200 @ 60Hz and<br>720x400 (for DOS) |

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| --- | --- |
| **Warranty** | Two years standard with advanced replacement.*<br>Extended Warranty is available. |

| Park Number | Description |
| --- | --- |
| **DKX2-101-V2-PDU** | Adapter for connecting to a Raritan PX intelligent rack PDU |

**DOMINION KX II-101-V2**

Palm-sized KVM-over-IP switch provides un-blocked access to a single server or PC:

- Up to 8 remote IP users
- Single server/PC
- 1 user at-the-rack
- VGA, USB & PS/2
- Serial admin port

Visit www.raritan.com/KX2-101
or Call 1.800.724.8090 for more information.

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