



Dominion KX II

KX2-864

64 ports, 1 local + extended local port, 8 remote users

KX2-832

32 ports, 1 local + extended local port, 8 remote users

KX2-464

64 ports, 4 remote users, 1 local user

KX2-432

32 ports, 4 remote users, 1 local user

KX2-416

16 ports, 4 remote users, 1 local user

KX2-232

32 ports, 2 remote users, 1 local user

KX2-216

16 ports, 2 remote users, 1 local user

KX2-132

32 ports, 1 remote user, 1 local user

KX2-116

16 ports, 1 remote user, 1 local user

KX2-108

8 ports, 1 remote user, 1 local user

Dominion KSX II

KSX2-144

4 KVM ports, 4 serial ports, 1 remote user, 1 local user

KSX2-188

8 KVM ports, 8 serial ports, 1 remote user, 1 local user

Raritan's Dominion® KX II and KSX II – the first KVM-over-IP switches with FIPS 140-2 encryption.

Challenge

Recently, many in the public sector have migrated to secure KVM-over-IP for anytime/anywhere access, simplified cabling and reduced costs. But government and military agencies that must comply with the highest level of security standards remain tethered to analog KVM systems for secure BIOS-level access. Because until now, no KVM-over-IP switch's encryption complied with FIPS 140-2 – a U.S. government standard ensuring the security of encryption modules in electronic products.

Lacking FIPS 140-2-compliant encryption, IT administrators from affected agencies cannot take advantage of the many operational and cost benefits associated with KVM-over-IP access – including increased mobility and the ability to monitor and manage multiple servers from any location at any time. With the introduction of such a solution, many more agencies are now able to enjoy enhanced flexibility, productivity and economy.

Solution

Raritan's enhanced Dominion KX II and KSX II are the first KVM-over-IP switches with an embedded FIPS 140-2-certified encryption module (available on the ten Dominion KX II and two KSX II models). These enhanced switches:

- ▶ Run on a Linux® platform per FIPS 140-2 implementation guidelines
- ▶ Encrypt KVM session traffic consisting of keyboard, video, mouse, virtual media and smart card data
- ▶ Provide FIPS 140-2-validated encryption algorithms (AES) and cryptographic technologies
- ▶ Display FIPS mode and certificate status on the user interface
- ▶ Store passwords in FIPS-approved hashes
- ▶ Provide FIPS-compliant SSL certificate generation

Most importantly, the embedded module meets U.S. and Canadian mandates for FIPS 140-2-level encryption, making it possible for all federal and military agencies to leverage all the benefits of anytime/anywhere access.

FIPS 140-2-Compliant Encryption Is Only the Beginning

In addition to the embedded FIPS 140-2 cryptographic module, Raritan's Dominion KX II KVM-over-IP switch offers world-class functionality, productivity, security and features. Which is why it was awarded "Best KVM Technology of the Year" by *InfoWorld*.

Raritan's Dominion KSX II, a combined KVM-over-IP and Serial Console Server appliance, offers award-winning, BIOS-level KVM-over-IP performance, true serial console access and optional remote power control. Targeted at branch and remote offices, the Dominion KSX II is also ideal for labs, computer rooms and data centers with racks with serial and KVM-controlled devices.

World-Class Functionality and Productivity

Designed for secure BIOS-level IP access, the Dominion KX II and KSX II help IT teams manage more – servers, locations, technology platforms and applications – with fewer resources. Their easy-to-use browser-based interfaces provide a consistent experience for both remote and at-the-rack server management. And all models work with CommandCenter® Secure Gateway, so that multiple Dominion switches and connected servers can be managed from one IP address. Additionally, these switches:

- ▶ Allow multiple IT administrators (remote and local users) to access multiple servers
- ▶ Ensure that all servers are accessible, even if operating systems are down
- ▶ Enable remote installation of software, file transfers, backups and diagnostics with their Universal Virtual Media™ feature
- ▶ Can remotely control power to servers (with optional remote power strips)

World-Class Security

The Dominion digital switches offer a wide range of highly advanced security features including:

- ▶ 256-bit Advanced Encryption Standard (AES) encryption
- ▶ Per-port, per-user authentication and authorization
- ▶ Ability to integrate with industry-standard directory servers, including Microsoft® Active Directory®, LDAP and RADIUS
- ▶ Strong password support with configurable password aging
- ▶ Ability to disable various features per restricted security profiles
- ▶ IP Access Control Lists



Smart Card/Common Access Card to Ensure HSPD-12 Security

For additional security measures, the optional Dominion Smart Card Solution provides Department of Defense (DoD) CAC (Common Access Card) and smart card authentication. Whether working from a remote location or in the data center, authorized users are authenticated by inserting cards into the Smart Card/CAC reader connected to their remote workstation or directly to the Dominion switch.

World-Class Features

The Dominion switches are secure self-contained appliances, with all key features built-in. Advanced productivity features (available on all models) include:

- ▶ Absolute Mouse Synchronization™
- ▶ Universal Virtual Media
- ▶ Dual power and dual gigabit Ethernet
- ▶ Support for IBM®, HP and Dell® blade servers
- ▶ The industry's highest remote video resolution
- ▶ True serial access of serially-controlled equipment (Dominion KSX II models)

Ready to upgrade your security? Contact Raritan today.

Call 1.800.724.8090 or visit www.raritan.com/FIPS-140-2

© 2011 Raritan Inc. All rights reserved. Raritan®, Know more. Manage smarter.™, Dominion®, CommandCenter®, Universal Virtual Media™ and Absolute Mouse Synchronization™ are registered trademarks or trademarks of Raritan Inc. or its wholly-owned subsidiaries. All others are registered trademarks or trademarks of their respective owners. Based in Somerset, NJ, Raritan has 38 offices worldwide, serving 76 countries. For more information, please visit Raritan.com