



Dominion® KX II

KX2-864

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

KX2-832

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

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

Increase data center security and comply with HSPD-12 with Raritan's Smart Card/CAC, KVM-over-IP Solution

Challenge

Homeland Security Presidential Directive 12 (HSPD-12) mandates a common identification standard for federal employees and contractors to gain access to facilities and information systems.

The Department of Defense (DoD) and other agencies responded with the implementation of mandatory Common Access Card (CAC) and Personal Identity Verification (PIV) Card standards to access computers, networks and facilities.

In addition, the increased occurrence of identity theft and attacks on corporate networks has revealed that simple password-based user authentication represents a significant corporate security risk.

Both government agencies and enterprises, therefore, are moving to smart card authentication systems that comply with government directives and strengthen information security. Still, server administrators face a unique challenge since attaching individual smart card readers to each and every server in a data center is impractical. Plus, traditional KVM switches have not supported smart card authentication.

The widespread adoption of smart card technology for both physical and computer access requires KVM-over-IP switches that support smart card authentication.

Solution

In 2007, Raritan developed the industry's first and only smart card-enabled analog KVM solution for the data center, the Paragon® II Smart Card/CAC Solution. Building on this success, Raritan has augmented its award-winning Dominion KX II and KSX II KVM-over-IP switch product families with smart card capabilities.

Whether deployed stand-alone, or integrated with Raritan's CommandCenter® Secure Gateway management system, the Dominion KX II and KSX II enable government users to enforce HSPD-12, PIV and CAC security regulations, while maintaining convenient access to servers.

The Dominion Smart Card/CAC Solution offers you:

- ▶ **The Highest Security.** Two-factor authentication – smart card and PIN – is now required to log onto a remote server. There is no caching of smart card data. Plus, all data traffic, including keyboard, mouse, video and virtual media, is encrypted with 256-bit AES or 128-bit RC4.
- ▶ **Built-in CAC.** Dominion KX II and KSX II switches come equipped with smart card capability. The same DVUSB CIMs that support BIOS-level virtual media and Absolute Mouse Synchronization need to be used.

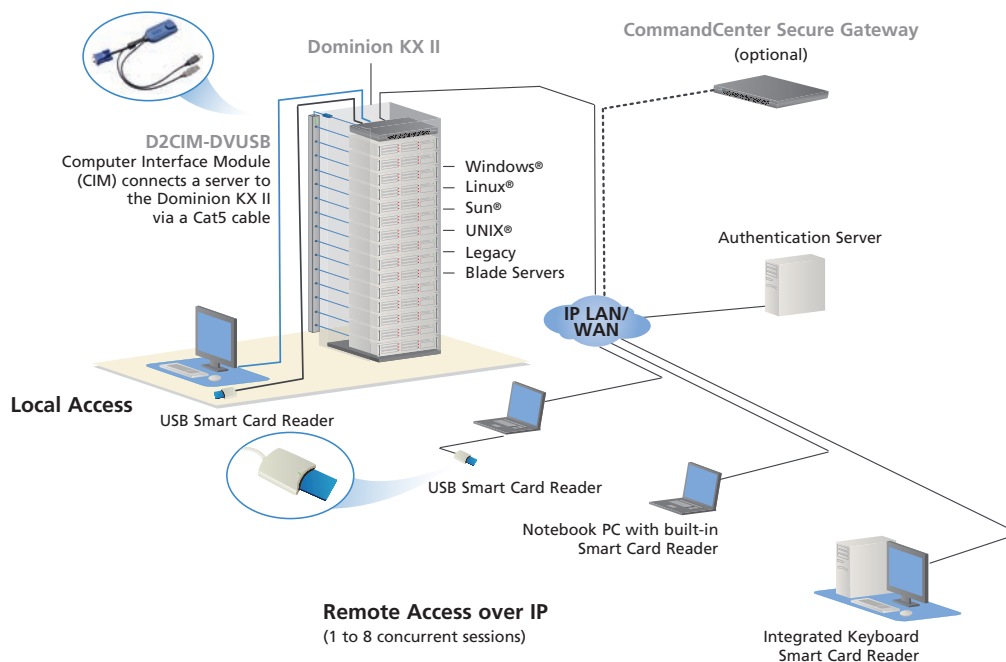
How It Works

Remote Server Access

1. The user launches a KVM-over-IP connection to a target server through CommandCenter Secure Gateway or directly from the Dominion switch's user interface.
2. The Dominion switch's remote client session begins and the user views the login screen from the target server requesting smart card authentication.
3. If not previously selected, the user then selects the smart card reader to be used and enters the card into the reader.
4. The Dominion switch relays the user's credentials to the target server. The target server authenticates the user's credentials with the authentication server, and the user is logged in.
5. The user can then perform work on the target server. Should the user remove the card from the reader, the session will be suspended or terminated based on the server's configuration. The user can keep the card in the reader while connecting to other servers.
6. The Dominion Smart Card Solution does not cache any data, ensuring strict security. Users are required to reauthenticate when switching between servers.

Local (at-the-rack) Server Access

While inside the data center, the user can also employ their smart card in combination with the Dominion KX II local port. In this case, the user connects a card reader to one of the Dominion switch's USB ports.



Ready to manage smarter? Contact Raritan today.

Call **1.800.724.8090** or visit www.raritan.com/cac-reader

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