

What's the most
powerful IT management
tool of the future?



SMARTER IT
MANAGEMENT
SOLUTIONS

 **Raritan.**
Know more. Manage smarter.™

Information.

And now Raritan can help get it
in the right hands. Yours.

Presenting Raritan intelligent
management solutions.

You can't manage your IT infrastructure if you don't know what it's doing.

With increasingly complex infrastructures, limited space and steady if not shrinking budgets, it's more important than ever for IT managers like you to resolve problems quickly and correctly, ensuring that your systems continue to operate smoothly.

To do this right, to make intelligent decisions, you need accurate, consolidated information at your fingertips.


That's where Raritan can help.

Our intelligent management solutions get the information in your hands, when you need it.

Raritan offers a complete line of IT management tools that have the power to bring actionable information right to your desktop.

Our products, including rack PDUs, KVM solutions, serial console servers and management solutions, help companies of all sizes monitor and manage server access, server utilization and energy consumption to optimize data center efficiency and enhance branch office operations.

Information. It's the future of IT management. And Raritan can help you get it now.

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- ▶ Power Management Solutions
 - ▶ Serial Console Switches
 - ▶ Enterprise-Class KVM Switches
 - ▶ Centralized Management
 - ▶ Network Monitoring
 - ▶ Accessories and Rack Management
- 

Power Management Solutions

Raritan's power management solutions simplify access and control of your data center's power resources. Our rack power distribution units (PDUs) provide Data Center Managers with the knowledge and control they need to improve operational productivity and power efficiency. Our technology enables IT administrators and facilities managers to improve systems uptime and staff productivity, make smarter capacity planning decisions and efficiently utilize energy to save power and money.

PDUs are mounted in an IT equipment rack and provide electrical power to various IT devices, such as servers, routers, firewalls, etc. Today, rack PDUs come in a number of configurations that help you manage power in the data center.

With Raritan power management, you can:

- ▶ Improve uptime and staff productivity
- ▶ Efficiently utilize power resources
- ▶ Make informed capacity planning decisions
- ▶ Save power and money
- ▶ Take a step toward becoming a more green data center

Intelligent Rack PDUs



Dominion® PX™ is an intelligent remote power management solution that helps IT administrators improve uptime and staff productivity, save money and improve utilization of power resources.

Information provided by the Dominion PX is displayed at the strip via an LED display, and remotely through a Web browser. It can be used to improve capacity planning through power consumption information for both the PDU and

individual receptacles. Plus outlet-level access and control allows users to reboot attached devices. Optional sensors are available to monitor rack temperature and humidity.

- ▶ Emergencies can be resolved with remote serial and TCP/IP access to outlet-level switching, improving MTTR
- ▶ Capacity planning is simplified with unit-level and outlet-level power utilization information
- ▶ Staff can gather detailed power information to improve uptime and productivity
- ▶ Travel costs and time can be saved with remote power cycling and monitoring

Whether used alone or integrated with other Raritan solutions, Dominion PX offers secure access with 256-bit AES encryption and strong passwords. It supports advanced authorization options, including outlet-level permissions and LDAP/S, RADIUS and Active Directory®. Flexible management interfaces support HTTP, HTTPS, IMPI, SMASH-CLP, SSH, TELENET and SNMP, as well as user-configurable, outlet-level delays for power sequencing.

Plus, the Dominion PX can be integrated with the following Raritan solutions:

- ▶ Secure console servers: Dominion SX
- ▶ Centralized IT management: CommandCenter® Secure Gateway
- ▶ KVM switches: Dominion KX II and Paragon® II
- ▶ KVM/Serial remote office switches: Dominion KSX II

Switched PDUs



Raritan's Remote Power Control (RPC) units allow IT administrators to remotely power on/off, reboot, monitor and control power to servers and other network devices. Our full line of switched power strips work with other Raritan products to provide integrated remote power management.

Raritan RPC PDUs can be used in data centers or remote offices and work with the following Raritan products:

- ▶ Secure console servers: Dominion SX
- ▶ KVM switches: Dominion KX II and Paragon II
- ▶ KVM/Serial remote office switches: Dominion KSX II
- ▶ Centralized IT management: CommandCenter Secure Gateway

Metered PDUs



Raritan's Power Metered (PM™) family of Ethernet metered rack power distribution units (PDUs) are good alternatives where remote monitoring of power is important. They offer:

- ▶ Real-time PDU-level current monitoring
- ▶ Models for high power distribution to racks

Available in Zero U and 2U form factors, and a wide variety of both NEMA and IEC plugs and receptacles, Raritan PMs provide remote PDU-level current monitoring, including thresholds, alerts and support for SNMP TRAPs and alarms. Certifications include UL and cUL Listed 60950 and RoHS.

Precise power monitoring information provided by the PM can be monitored remotely via a user-friendly Web browser GUI or command line interface, and is displayed at the PDU with LEDs.

Serial Console Switches



Dominion SX is a secure, serial console server enabling serial-over-IP access via SSH or Web browser. Whether it's used in data centers or remote offices, the Dominion SX provides a single, secure out-of-band view of multiple serially-managed servers, network devices and power strips from anywhere. Features include:

- ▶ AES and 128-bit SSL encryption
- ▶ Models with 4 to 48 ports and built-in modem available
- ▶ Flexible authentication support – RADIUS, LDAP(S), Kerberos v.5, Active Directory and TACACS+

Enterprise-Class KVM Switches

Raritan's powerful KVM solutions let you view and manage multiple servers and network devices from one or more centralized user consoles, each consisting of a single keyboard, video monitor and mouse. They provide consolidated information about each server while reducing equipment clutter. Plus, our remote solutions permit lights-out data center operation whether your users are across the hall or halfway around the world.

KVM-over-IP Switches



Multiport KVM over IP

Dominion KX II is Raritan's enterprise-class, secure KVM-over-IP switch that provides BIOS-level access and control of up to 64 multiplatform servers, via almost any combination of OS and browser. Dominion KX II offers standard features such as Virtual Media and dual power – available on all models – that maximize performance, security, reliability and versatility.

- ▶ Industry's first 64-port KVM-over-IP switch
- ▶ Built-in Universal Virtual Media on all models
- ▶ Absolute Mouse Synchronization™
- ▶ 256-bit AES and 128-bit SSL or RC4 encryption, support for LDAP, Active Directory, RADIUS
- ▶ Dual power and dual gigabit Ethernet with automatic failover on all models
- ▶ A common browser-based GUI for local and remote access
- ▶ Integrated remote power control
- ▶ Plug-and-play installation and configuration
- ▶ CommandCenter® Certified

InfoWorld
2008
TECHNOLOGY
OF THE YEAR
AWARDS

Winner of
**InfoWorld's 2008
Technology of the
Year Award for
Best KVM**



Single-Port KVM over IP

Dominion KX II-101 is a single-port KVM-over-IP switch in a palm-size form factor.

Whether it's used in a branch office, a data center or a lab, the Dominion KX II-101 provides unblocked out-of-band access in a Zero-U unit.

- ▶ For environments like remote offices, where there are a small number of servers
- ▶ For environments requiring many-to-many connectivity between large numbers of users and target devices
- ▶ Local port available
- ▶ 256-bit AES encryption, support for RADIUS, LDAP and Active Directory®



KVM and Serial over IP

Dominion KSX II integrates KVM over IP and serial control in a single appliance. Ideal for mid-size server rooms and remote offices, the Dominion KSX II is an out-of-band access solution for collocated servers and networking devices.

- ▶ Remote KVM and serial console access in a single appliance
- ▶ BIOS-level access to devices if the OS fails
- ▶ Dial-up access if the network fails
- ▶ Virtual Media file transfer capabilities for patches and upgrades

Analog KVM Switches for Enterprise



**FIPS 201
approved**

Paragon II is our second generation, battle-tested, secure Cat5 analog KVM solution with the industry's best video performance. Paragon II offers higher video resolution over greater distances, non-blocked access for up to 64 users and thousands of multiplatform servers, optional IP access and centralized management – plus secure, Smart Card technology.

- ▶ Industry's best video quality with resolutions as high as 1920 x 1440 at distances of up to 1,000 feet
- ▶ First Smart Card reader for KVM access to data centers for added security; supports Federal HSPD-12 standards
- ▶ Cost-effective, space-saving stacking unit expands up to 128 non-blocked server ports with less cable than cascading
- ▶ Multiple video enables up to four user stations to simultaneously receive the video output of a server that has multiple video ports
- ▶ Video redirect provides easy redirection of video to any user station within a Paragon II system
- ▶ Manual and automatic video tuning and skew compensation allows administrators to save time on server setup and fine tune the video signal
- ▶ Kensington Expert Mouse® support for Mac® environments
- ▶ Integrated power management for convenience
- ▶ Optional KVM-over-IP capabilities for remote access

KVM Extender

IP-Reach® is the fastest, most secure way for one or more users to remotely access any analog KVM switch with an on-screen display, so you can manage multiple servers and IT devices from any PC running a standard Web browser. Choose from models with 1, 2 or 4 user ports.

Cat5 Reach gives access to users up to 1,000 feet away from a KVM switch – far enough for most data center buildings. It lets you locate servers in a clean, secure environment, to protect hardware, applications and data from human traffic.

Small Business and SOHO KVM Switches



MasterConsole® CAT, the most economic KVM solution to manage midsize data centers, allows one or two users to control up to 256 servers by cascading two levels.

- ▶ Uses Cat5/6 cables, saving you space and allowing easier cabling
 - ▶ Unique “keep-alive” design which ensures nonstop server operation in case of power loss to the switch
 - ▶ Support of high-resolution video – up to 1600 x 1200
 - ▶ Works with every leading server (Microsoft® Windows® NT, Windows Me, Windows 2000, Windows XP, Windows 2003, Windows Vista, Novell® NetWare, UNIX® and Linux®)
-



MasterConsole, a powerful analog KVM switch, gives you control of servers in midsize data centers. The product line includes four simple, yet full-featured models.

- ▶ Advanced on-screen user interface and security features
- ▶ Multiplatform control, up to four simultaneous users and 16 servers expandable to 256 with cascaded units
- ▶ Access from anywhere over IP with Raritan's IP-Reach, or via MasterConsole IP model

MasterConsole IP is a full-featured, easy-to-use KVM switch for small to midsize businesses. It brings convenience, flexibility and security to a SMB scale with:

- ▶ BIOS-level control of up to 8 or 16 servers from one keyboard, monitor and mouse
 - ▶ High-performance KVM-over-IP technology
 - ▶ 256-bit SSL encryption, certificate management, configurable TCP/IP port numbers and user access rights
-



MasterConsole Z is a switchless KVM solution designed to help small and midsize businesses simplify server maintenance.

- ▶ AES and 128-bit SSL encryption
 - ▶ Models with 4 to 48 ports and built-in modem available
 - ▶ Flexible authentication support – RADIUS, LDAP(S), Kerberos v.5, Active Directory and TACACS+
-

SwitchMan® is an affordable single user KVM switch for controlling two to four PCs. It's the only KVM switch that combines professional-grade technology with an easy-to-use desktop design. It can be deployed vertically to save space.

SwitchMan USB allows control of up to four USB computers. Its built-in USB 2.0 Hub allows multiple computers to share USB-supported devices.

SwitchMan USB Combo enables control of up to four USB or PS/2 computers from a single USB keyboard, monitor and USB mouse. Has a built-in USB 2.0 Hub, as above.

Centralized Management



CommandCenter Secure Gateway (CC-SG) provides secure, centralized command and control of an entire IT infrastructure, via a Web browser, using a single sign-on to a single interface. CC-SG allows you to take control of one large data center, several data centers or an entire enterprise with hundreds or even thousands of devices.

- ▶ Single point of access to all physical and virtual servers in the data center. Secure, single point of access for managing Raritan Dominion KX II/SX/KSX II, Paragon II, CC NOC, IP-Reach and Dominion PX intelligent power distribution units, as well as other embedded solutions like HP iLO2, iLO, RILOE, RILOE II, IBM® RSA II, Dell® DRAC4, IPMI and in-band access via RDP, VNC, SSH and TELNET as well as generic Web browser interfaces
- ▶ Array of flexible logging and reporting options with audit trails for diagnostics and troubleshooting
- ▶ SNMP TRAPS/event support to forward critical alerts to SNMP Manager (e.g., HP OpenView)
- ▶ Low security profile Linux-based appliance with one point of contact for all software or firmware support
- ▶ Geographic redundancy, with primary and secondary CommandCenter Secure Gateways deployable on different subnets and/or locations
- ▶ Support for a broad range of authentication protocols, including LDAP, Active Directory, RADIUS, SecureID, TACACS+, CommandCenter Management Products and RSA. Support for AES and RC4 encryption.

Network Monitoring

CommandCenter NOC (CC NOC) is an easy-to-use, agentless management system. It easily introduces an integrated toolset to your network that will improve overall service availability, network performance and asset management.

When used with Raritan's out-of-band access and control solutions, your IT staff can proactively identify and fix problems without making trips to the data center – saving you time and money.

Virtual Appliance

Also available as a virtual appliance, CC NOC combines the downloadable delivery advantages of a software product with the "ease of deployment" found in a fully configured appliance.

It includes the application, database and operating system and is ready to be installed in your existing VMware® environment.



- ▶ Integrated Web dashboard, notification and reporting
- ▶ Monitor services, systems and network nodes
- ▶ Performance thresholds and trending
- ▶ Network bandwidth and traffic analysis
- ▶ Intrusion and vulnerability detection
- ▶ Asset discovery and management



Accessories and Rack Management

Managing an IT infrastructure is a 24/7 challenge. So it's more important than ever to find and deploy devices and accessories that work together the first time, every time. For these reasons and more, you can count on Raritan for a complete range of device accessories and rack management, including high-performance User Stations, KVM Drawers, Computer Interface Modules (CIMs), temperature and humidity sensors and more.

Guardian Extended Warranties

Raritan's products are covered by the most extensive standard warranty in the industry. Also available are affordable premium support and service options that include 24-hour advanced replacement and technical support.

Ready to manage smarter?

Call 1.800.724.8090 or visit Raritan.com for:

- ▶ A live online demonstration of our products
- ▶ A needs evaluation
- ▶ Answers to your questions
- ▶ The name of a Raritan Solution Provider near you



Intelligent Power – Dominion PX
 Switched Power – PM
 Metered Power – RPC
 Dominion SX
 Dominion KX II
 Dominion KX II-101
 Dominion KSX II
 Paragon II
 IP-Reach
 GAT5 Reach
 MasterConsole CAT
 MasterConsole IP
 MasterConsole 2
 SwitchMan USB
 SwitchMan USB Combo
 CommandCenter Secure Gateway
 CommandCenter NOC

Your Needs	Power Management	Serial Console	KVM over IP	Analog KVM for Enterprise	KVM Extender	Small Business and SOHO KVM Switches	Centralized Management	Network Monitoring
Data Centers								
Large-scale integrated remote device access and control		•	•	•	•		•	
True lights-out management	•	•	•	•	•		•	
Maximized server uptime	•	•	•	•	•		•	
Local access to servers			•	•	•			
Controlling rack power	•						•	
Monitoring and measuring rack power	•							
Environmental temperature and humidity monitoring	•							
Reducing clutter due to excessive wiring, monitors and keyboards			•	•			•	
Agentless integrated network monitoring toolset that improves network availability								•
Server Rooms								
Cost-effective server access	•		•		•	•	•	
Reduced clutter in smaller spaces			•		•	•		
Reliable tools for managing servers	•		•		•	•		
Branch & Remote Offices								
Remote access and control of servers, networking and other serial devices	•	•	•				•	
Reduce truck rolls to remote sites	•	•	•				•	
Leverage centralized IT expertise in all locations	•	•	•				•	



Raritan provides secure IT infrastructure management solutions that increase data center efficiency and productivity by delivering integrated in-band and out-of-band server access, control and power management. Raritan's KVM, serial console and intelligent PDU products are in use at over 50,000 locations worldwide.

Raritan's OEM division provides embedded hardware and firmware for server and client management, including KVM over IP, IPMI, intelligent power management and other industry standards-based management applications.

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