

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



SMARTER IT
MANAGEMENT
SOLUTIONS



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 include Power Management software and rack PDUs, KVM solutions, serial console servers and management solutions. They 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.

► Power Management Solutions

► KVM Switches

► Serial Console Switches

► Centralized Management

► Accessories and Rack Management

Power Management Solutions

Raritan offers intelligent power and energy management solutions which allow data center operations managers, IT administrators and facilities managers to reduce costs and improve efficiency, uptime and capacity planning. Our solutions are standards based and fit seamlessly into your current infrastructure.

Raritan's energy management software gathers power and sensor data and manages Raritan's PDUs as well as those from APC, Server Technology, Geist and HP. Our rack power distribution units (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.

- ▶ Monitor power and energy down to the individual IT device with outlet metering
- ▶ Identify stranded excess power capacity
- ▶ Know which racks are hot or cold
- ▶ Generate reports for bill backs, kwh, CO₂ emissions and energy rebates
- ▶ Increase uptime through monitoring, alerting and load shedding

Energy Management Software



Power IQ™ energy management system enables you to become more effective in power capacity management and efficient in energy consumption.

It provides for accurate IT device, outlet group, rack, branch circuit and data center level energy monitoring and reporting. Power IQ simplifies management of and data collection for multiple rack PDUs.

Are you concerned about?

- ▶ Limited supply of power
- ▶ High cost of energy
- ▶ Environmental compliance

Power IQ manages any number of Raritan's Dominion® PX™ and third-party rack PDUs. The system is open database compliant (ODBC) and can be integrated with your current reporting system. Its data collection and reporting capabilities, used in combination with rack PDUs, help IT and facilities managers:

- ▶ Generate energy cost reports for customers
- ▶ Baseline and certify changes in energy and carbon footprint
- ▶ Find stranded power capacity
- ▶ Simplify centralized Dominion PX management with bulk configuration and firmware management
- ▶ Enable multivendor power data aggregation through user configurable collection intervals
- ▶ Create trending reports, so you can easily see usage trends
- ▶ Create "what if" reports to review historical results of planned changes

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 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 at the PDU level 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

PX is available in a variety of form factors, voltage and current ratings, including single-phase, three-phase, switched and non-switched models.

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

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

- ▶ PDU management software: Power IQ
- ▶ 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

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

- ▶ 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.

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

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 for Enterprise



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
- ▶ Supports Dell®, HP and IBM® blade servers
- ▶ Plug-and-play installation and configuration
- ▶ CommandCenter-Certified™



**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 colocated 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

Raritan Intelligent Solutions Grid

Your Needs															Power Management				Serial Console		KVM over IP for Enterprise			Analog KVM for Enterprise			KVM Extender		Small Business and SOHO KVM Switches				LCD KVM Console		Centralized Management			
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																					●				●									●		●		
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															●	●	●	●		●	●	●	●														●	

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, nonblocked 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 nonblocked 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 an 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.

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+

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 KXII/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
- ▶ “Neighborhood” deployment allows for a collection of up to 10 devices, working together to serve the access and control needs of the enterprise. It improves performance by distributing device and node access across CC-SG units within a data center, regionally or organizationally.

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, LCD KVM Consoles, Computer Interface Modules (CIMs), temperature and humidity sensors and more.

LCD KVM Console



Raritan's 17" and 19" LCD KVM Consoles combine video, keyboard and touchpad functionality in 1U design for easy, at-the-rack server access. They seamlessly connect to our Paragon II analog KVM switches, Dominion KX II KVM-over-IP switches or KVM switches from other vendors, providing a single workstation to manage the entire rack of servers.

Plus their space-saving designs are ideal for data centers, server rooms and other space-critical environments.

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



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.

North American Headquarters

USA

Raritan Inc.
400 Cottontail Lane
Somerset, NJ 08873
Phone: (800) 724-8090 (North America)
Phone: (732) 764-8886
Fax: (732) 764-8887
E-mail: sales@raritan.com
Web: Raritan.com

Canada

4 Robert Speck Pkwy, Suite 1500
Mississauga, Ontario
Canada
L4Z1S1
Phone: (905) 949-3650
Fax: (905) 949-3651
E-mail: sales.canada@raritan.com
Web: Raritan.ca

European Headquarters

Eglantierbaan 16
2908 LV Capelle aan den IJssel,
The Netherlands
Phone: (31) 10-284-4040
Fax: (31) 10-284-4049
E-mail: sales.europe@raritan.com
Web: Raritan.info (English)

Asia/Pacific Headquarters

Taiwan

5F, 121, Lane 235, Pao-Chiao Road,
Hsin Tien
Taipei, Taiwan
Phone: (886) 2 8919-1333
Fax: (886) 2 8919-1338
E-mail: sales.ap@raritan.com
Web: Raritan-ap.com (English)
Web: Raritan.com.tw

Japanese Headquarters

Japan

Tokyo
4th Floor, Shinkawa NS Building
1-26-2 Shinkawa, Chuo-ku,
Tokyo 104-0033
Phone: (81) 3-3523-5991
Fax: (81) 3-3523-5992
E-mail: sales.japan@raritan.com
Web: Raritanjapan.jp (English)
Web: Raritan.co.jp

Osaka

3rd Floor, Osaka Kagaku Sen'I Kaikan Bldg.
4-6-8 Kawara-machi Chuo-ku
Osaka 541-0048
Phone: (81) 3-3253-5953
Fax: (81) 3-3523-5992
E-mail: sales.japan@raritan.com
Web: Raritanjapan.jp (English)
Web: Raritan.co.jp