



Dell KVM Remote Console Switches

The Dell™ KVM remote console switch (RCS) consolidates server management, helps conserve space in your data center, reduces cable clutter and allows at-the-rack access from anywhere at any time.

Simplify your Server Management

You can easily control multiple servers from a single console, locally or remotely, with the Dell KVM (keyboard/video/mouse) over IP switch. In addition, you can:

- Improve productivity with the flash-upgradeable firmware, built-in RCS software and enhanced on-board web interface
- Connect devices easily with four USB 2.0 ports, two PDU ports, and up to 32 Analog Rack Interface (ARI) ports to access servers and serial devices
- Manage your enterprise with two local paths (video head and Analog Console Interface (ACI)) and up to 4 remote users (using Ethernet or modem connection)
- Quickly install the KVM without tools thanks to the Dell™ ReadyRails™ mounting interface

The Dell KVM RCS offerings include support for high-resolution widescreen video, Common Access Card (CAC) capability for smart cards over USB and Ethernet, and redundancy with dual Ethernet and optional dual power supply units.

Easy to Manage

Local and remote access to your data center simplifies server management and reduces downtime costs. The Dell KVM can manage your data center using the built-in Dell RCS software or the on-board web interface (OBWI) and is compatible with Avocent® DSView® 3 management software. Remote patches and upgrades can be made from anywhere using virtual media.

The RCS software is a cross-platform management application that allows you to view and control the Dell KVM and all attached servers and devices from the local console interface. It provides secure switch-based LDAP authentication, data transfers and username/password storage.

The OBWI for remote access provides similar management functions as the RCS software and can manage multiple RCSs through a single interface. It is launched directly from the switch using a web browser, and any servers connected to the RCS are automatically detected. Flash upgrades can be initiated through the OBWI or the serial console at any time to ensure your RCS and SIPs are always running the most current firmware version available.

Maximum Connectivity

The Dell KVM switches include from eight to thirty-two ARI ports for connecting to Server interface pods (SIPs) attached to servers or serial devices. The Dell KVM RCS is compatible with all available SIPs including USB 2.0 with virtual media/smart card support for servers and true serial SIP for accessing serial devices through Telnet/SSH.

CAC support with encryption for smart cards and password protection for local users provide security you can depend on for your virtual media sessions. Encryption options include 128-bit SSL, AES, DES, and 3DES, and are selectable for keyboard, mouse, and video signals.

Additionally, two power distribution unit (PDU) ports are available for monitoring metered or managed PDUs. PDU settings can be viewed and managed using the RCS software.

Flexible and Scalable

The Dell KVM can grow with your business, managing up to 1,024 servers and serial devices when tiered with additional switches. It can provide seamless integration with at-the-rack access anytime with up to four remote users in addition to two local paths. High-availability environments can have more protection with redundancy through dual power supply units and dual Gigabit Ethernet ports.

The Dell KVM remote console switch provides remote management and monitoring from a single console for servers, serial devices, and more.

Peace of Mind

Toolless installation for 1U rack mounting is enabled with the Dell ReadyRails interface. The KVM device can mount in the front or back of the rack and comes with a blanking panel. A 0U mounting bracket is also provided for flexibility in installing the switch into racks.

The Dell KVM portfolio supports Dell and third-party servers and serial devices and includes the technical support and warranty service you want.

	Dell KVM 4322DS	Dell KVM 2162DS	Dell KVM 1082DS
Form Factor	1U or 0U rack mount		
Dimensions	1.72 x 17.00 x 9.20 in. (Height x Width x Depth)		
Weight	7.6 lb (3.4 kg)	7.0 lb (3.2 kg)	6.6 lb (3.0 kg)
Device Connectors	32 ARI ports for servers or serial devices 2 ports for power distribution units 4 USB 2.0 ports	16 ARI ports for servers or serial devices 2 ports for power distribution units 4 USB 2.0 ports	8 ARI ports for servers or serial devices 2 ports for power distribution units 4 USB 2.0 ports
Remote Access	Up to 4 remote users 2 Gigabit Ethernet ports 1 modem connection	Up to 2 remote users 2 Gigabit Ethernet ports 1 modem connection	1 remote user 2 Gigabit Ethernet ports 1 modem connection
Local Access	1 local video port with USB for keyboard/mouse 1 ACI port for tiering to another KVM		
VM/CAC Support	Virtual Media support over USB Common Access Card (CAC) capability for smart cards 128-bit SSL, AES, DES, and 3DES encryption		
Features Include	True Serial support over Telnet/SSH Native LDAP support for Microsoft® Active Directory® Dual-stack IPv4 and IPv6 for simultaneous access Flash-upgradeable firmware for RCS and SIPs		
Video Support	Analog VGA, SVGA, and XGA 16:10 widescreen, up to 1680 x 1050 4:3 standard, up to 1600 x 1200		
Management Software	Integrated Remote Console Switch software for local access On-board Web Interface via browser for remote access Compatible with Avocent® DSView® 3 management software		
Rack Support	ReadyRails™ static rails for toolless 1U mounting in 4-post racks with square or unthreaded round holes or toolless mounting in 4-post threaded and 2-post (Telco) racks Also comes with 0U mounting bracket for use in Dell racks		
Power Supplies	2 power supply units	2 power supply units	1 power supply unit
Power Supply Specifications	Connector: IEC C14 Type: Internal Power: 18W Heat dissipation: 47 BTU/hr AC input range: 100 - 240 VAC AC frequency: 50/60 Hz auto-sensing AC input current rating: 1.25 A AC input power (maximum): 40W		
Environmental	Operating: 32 to 122 degrees Fahrenheit (0 to 50 degrees Celsius) Non-operating: -4 to 158 degrees Fahrenheit (-20 to 70 degrees Celsius) Airflow is from non-port side (Front) to port side (Back)		
Supported SIPs	Multi-platform support for PS/2, USB, USB 2.0 and serial devices Dell PS/2, USB, USB2-VM, USB2-VM+CAC, and Serial SIPs Avocent PS/2, PS2M, USB, Sun, USB2, VMC, and Serial modules		

Dell Services

Dell Services can help reduce IT complexity, lower costs, and eliminate inefficiencies by making IT and business solutions work harder for you. The Dell Services team takes a holistic view of your needs and designs solutions for your environment and business objectives while leveraging proven delivery methods, local talent, and in-depth domain knowledge for the lowest TCO.

Remote control for your enterprise at Dell.com/Poweredge/Rack

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