

DSR® KVM over IP Switches

for Branch and Enterprise Data Centers



Secure, remote management of servers and network devices

DSR KVM over IP switches provide IT professionals with an enterprise-class KVM over IP solution for remote access and management of servers and network devices. DSR switches enable BIOS-level control and power cycling of connected servers and serial-based devices and provide external modem support when the network is unavailable. IT administrators, with access to the IP network, can manage any device anywhere as if they were physically present at the device, hastening response times, reducing downtime and increasing IT efficiency and availability. For easy access and control of servers over IP, DSR switches feature an on-board Web interface (OBWI) compatible with Internet Explorer®, Mozilla Firefox® or Netscape®.

For expanding enterprises with growing numbers of users and target devices, deploying DSR switches with DSVIEW® 3 management software provides a robust, scalable management solution to centrally access and control all connected IT and network devices from a single, consolidated user interface. DSVIEW 3 software also provides secure access authentication, a failover hub and spoke architecture, event notifications and access to IPMI-enabled servers. With selected DSR switches, DSVIEW 3 software provides a virtual media capability for mapping local storage media to a remote server for file transfers, application and OS patches and diagnostic testing.

Various models are available for branch and enterprise environments, including 1-, 8-, 16- and 32-port models with 1, 2, 4 or 8 digital paths for remote access.

Applications

- Local and remote server management
- Serial device management
- Integrated power management

Benefits

- Remote server access and control
- Integrated power control when used with supported rack PDUs
- External modem support
- OBWI for basic management and administration
- Virtual media capabilities with selected models
- Patch management and network performance monitoring without impacting server network throughput
- Centralized management from a single interface with DSVIEW 3 software
- Redundant architecture for failover access and administration with DSVIEW 3 software
- Reduced cable volume in rack by utilizing DSRIQ module and UTP cabling
- Support for smart card/CAC authentication (appliance needs to support virtual media and requires DSRIQ-VMC modules)

ORDERING DETAILS

DSR1024PS2-XXX	1 digital user, 1 local user, 1 PS/2 system KVM over IP desktop switch
DSR1024USB-XXX	1 digital user, 1 local user, 1 USB system KVM over IP desktop switch
DSR1031-XXX	Virtual media, 1 digital user, 1 local user, 8-system KVM over IP switch with rack-mount kit
DSR1030-XXX	Virtual media, 1 digital user, 1 local user, 16-system KVM over IP switch with rack-mount kit
DSR2030-XXX	Virtual media, 2 digital users, 1 local user, 16-system KVM over IP switch with rack-mount kit
DSR2035-XXX	Virtual media, 2 digital users, 1 local user, 32-system KVM over IP switch with rack-mount kit
DSR2035DAC-XXX	Virtual media, 2 digital users, 1 local user, 32-system KVM over IP switch with rack-mount kit, dual AC power supplies
DSR4030-XXX	Virtual media, 4 digital users, 1 local user, 16-system KVM over IP switch with rack-mount kit
DSR8030-XXX	Virtual media, 8 digital users, 1 local user, 16-system KVM over IP switch with rack-mount kit
DSR8035-XXX	Virtual media, 8 digital users, 1 local user, 32-system KVM over IP switch with rack-mount kit
DSR8035DAC-XXX	Virtual media, 8 digital users, 1 local user, 32-system KVM over IP switch with rack-mount kit, dual AC power supplies
DSR8035DAC-XXX	Virtual media, 8 digital users, 1 local user, 32-system KVM over IP switch with rack-mount kit, dual AC power supplies

For country-specific availability, please contact an Avocent sales representative.

MODEL COMPARISON CHART

SWITCH	USERS	PORTS	FEATURES
DSR 1024**	1 local, 1 remote	1	single AC
DSR 1031	1 local, 1 remote	8	virtual media and single AC
DSR 1030	1 local, 1 remote	16	virtual media and single AC
DSR 2030	1 local, 2 remote	16	virtual media and single AC
DSR 2035	1 local, 2 remote	32	virtual media and single or dual AC
DSR 4030	1 local, 4 remote	16	virtual media and single AC
DSR 8030	1 local, 8 remote	16	virtual media and single AC
DSR 8035	1 local, 8 remote	32	virtual media and single or dual AC

* All models include support for PS/2, Sun, USB and serial target devices.

** The DSR 1024 does not support virtual media or CAC/smart cards.

Features

User

- Secure browser-based interface
- Multibrowser support (IE, Mozilla Firefox, Netscape)
- Multiplatform client support (Windows, Mac OS X, Linux, Solaris)
- Scalable video sessions

Security

- User access control
- Local log in for increased security
- Individually selectable keyboard, mouse, video and virtual media encryption (DES, 3DES, 128bit SSL, AES)

Management

- Remote server and console management
- Integrated solution for KVM and power control
- BIOS-level access
- External modem support
- Virtual media support for many models
- Centralized management of multiple DSR switches via DSView 3 software
- Redundant network interface ports on DSR 2035 and 8035 switches
- Optional support for managing Avocent Power Management Distribution Units (PM PDUs) and third-party power devices

Specifications

DSR 1024 SWITCH MODEL

Mechanical

Size: 1.10 in. (2.8 cm)H, 8.08 in. (20.51 cm)W, 6.3 in. (16 cm)D

Weight: 1.1 lbs. (0.5 kg)

Power

Operating Voltage: 100-240VAC

Power Frequency: 50-60 Hz auto-sensing

Input: 25W maximum

DSR 1031 SWITCH MODEL

Mechanical

Size: 1.72 in. (4.37 cm)H, 17 in. (43.18 cm)W, 8.08 in. (20.51 cm)D

Weight: 5.3 lbs. (2.4 kg)

Power

Operating Voltage: 100-240VAC

Power Frequency: 50-60 Hz auto-sensing

Input: 25W maximum

DSR 1030, 2030, 4030, 8030 SWITCH MODELS

Mechanical

Size: 1.72 in. (4.37 cm)H, 17 in. (43.18 cm)W, 10.98 in. (27.98 cm)D

Weight: 7.3 lbs. (3.31 kg)

Power

Operating Voltage: 100-240VAC

Power Frequency: 50-60 Hz auto-sensing

Input: 40W maximum

DSR 2035, 8035 SWITCH MODELS

Mechanical

Size: 1.72 in. (4.37 cm)H, 17 in. (43.18 cm)W, 14.25 in. (36.20 cm)D

Weight: 10 lbs. (4.5 kg)

Power

Operating Voltage: 100-240VAC

Power Frequency: 50-60 Hz auto-sensing

Input: 60W maximum

ALL SWITCH MODELS

Environmental

Operating Temperature: 32° to 104°F (0° to 40°C)

Storage Temperature: -4° to 158°F (-20° to 70°C)

Supported Hardware

Computers: PS/2, Sun, USB, serial devices

Monitors: VGA, SVGA (XGA, XGA-II with adapter); maximum resolution: 1280x1024 @ 75 Hz

Peripherals: USB keyboard and mouse, PS/2 keyboard, PS/2 mouse, IntelliMouse

Standards

Approved Agencies: UL, FCC, cUL, ICES-003, CE, GS (3200 only), VCCI, MIC, C-Tick, GOST