

DSR® KVM over IP Switches for the Enterprise Data Center



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.

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 compatible with Internet Explorer and Mozilla Firefox. Virtual Media enables mapping local storage media to a remote server for file transfers, application and OS patches and diagnostic testing via the On-Board Web Interface (OBWI) or DSView® 3 management software.

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.

Various models are available for enterprise environments, including 1-, 4-, 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
- Virtual Media

Benefits

- Remote server access and control
- Power cycling of connected servers and serial devices
- External modem support
- On-board Web interface for basic management and administration
- Virtual Media capabilities for file application, OS patches and diagnostic testing
- 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
- IPv6 capable



Hardware Specifications

DSR1020, 1030, 2020, 2030, 4020, 4030, 8020, 8030 switch models

Mechanical:	Height	1.72 in. (43.7 cm)
	Width	17.00 in. (43.18 cm)
	Depth	10.98 in. (27.98 cm)
	Weight	7.3 lbs. (3.31 kg) without cables

Power:	Operating voltage	100–240 VAC
	Power frequency	50–60 Hz autosensing
	Input	40 W maximum

DSR2035, 8035 switch models

Mechanical:	Height	1.72 in. (43.7 cm)
	Width	17.00 in. (43.18 cm)
	Depth	14.25 in. (36.20 cm)
	Weight	10 lbs. (4.5 kg) without cables

Power:	Operating voltage	100–240 VAC
	Power frequency	50–60 Hz autosensing
	Input	60 W maximum

All switch models

Environmental:	Operating temperature	52 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 adaptor); maximum resolution: 1280 x 1024 @ 75 Hz
Peripherals	USB keyboard and mouse, PS/2 keyboard, PS/2 mouse, IntelliMouse

Safety and EMC Approvals and Markings:

UL, FCC, cUL, ICES-003, CE, GS, VCCI, MIC, C-Tick, GOST

Features

User

- Secure browser-based interface
- Multibrowser support (IE, Mozilla Firefox)
- Multiplatform client support (Windows, Mac OS X, Linux, Solaris)
- Scalable video sessions
- Avocent mouse sync enables perfect alignment of mouse cursors regardless of target mouse acceleration settings.

Management

- Remote server and console management
- Supports IPv6 and IPv4 for easier transition
- Integrated solution for KVM and power control
- BIOS-level access
- External modem support
- Virtual Media on many models
- Centralized management of multiple DSR switches via DSView 3 software
- Redundant network interface ports on DSR2035 and 8035 switches
- Optional support for managing Cyclades PM intelligent power distribution units and third-party power devices

Security

- User access control
- Local login for increased security
- Individually selectable keyboard, mouse, video and Virtual Media encryption (DES, 3DES, 128bit SSL, AES)
- Switch-based LDAP external authentication

Enterprise DSR KVM over IP Switches

Virtual Media Enabled		
DSR1020 – 1 remote user DSR2020 – 2 remote users DSR4020 – 4 remote users DSR8020 – 8 remote users	DSR1030 – 1 remote user DSR2030 – 2 remote users DSR4030 – 4 remote users DSR8030 – 8 remote users	DSR2035 – 2 remote users DSR8035 – 8 remote users
16 target devices	16 target devices	32 target devices
4 rear USB ports for keyboard and mouse	5 USB 2.0 ports (1 front, 4 rear) for keyboard, mouse & Virtual Media	5 USB 2.0 ports (1 front, 4 rear) for keyboard, mouse & Virtual Media
1 power control port	1 power control port	2 power control port
1 10/100/1000 Mbps network port	1 10/100/1000 Mbps network port	2 10/100/1000 Mbps network ports for failover/redundancy

Part Number	Model	Description
DSR1020-001	DSR1020	1 digital user, 1 local user, 16 system KVM over IP switch with rack mount kit
DSR1030-001	DSR1030	Virtual Media, 1 digital users, 1 local user, 16 system KVM over IP switch with rack mount kit
DSR2020-001	DSR2020	2 digital users, 1 local user, 16 system KVM over IP switch with rack mount kit
DSR2030-001	DSR2030	Virtual Media, 2 digital users, 1 local user, 16 system KVM over IP switch with rack mount kit
DSR2035-001	DSR2035	Virtual Media, 2 digital user, 1 local user, 32 system KVM over IP switch with rack mount kit
DSR4020-001	DSR4020	4 digital users, 1 local user, 16 system KVM over IP switch with rack mount kit
DSR4030-001	DSR4030	Virtual Media, 4 digital users, 1 local user, 16 system KVM over IP switch with rack mount kit
DSR8020-001	DSR8020	8 digital users, 1 local user, 16 system KVM over IP switch with rack mount kit
DSR8030-001	DSR8030	Virtual Media, 8 digital users, 1 local user, 16 system KVM over IP switch with rack mount kit
DSR8035-001	DSR8035	Virtual Media, 8 digital user, 1 local user, 32 system KVM over IP switch with rack mount kit



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