

DSR[®] KVM over IP Switches

Secure Server and Network Device Management
in the Remote Office Environment



Easily troubleshoot, reboot or even power cycle servers or serial devices in remote branch offices, avoiding the need for costly on-site service calls.

The Avocent DSR1021, 1022, 1024 and 1031 KVM over IP switches address the unique challenges of branch office IT environments where space and IT resources are limited. These DSR switches feature an on-board Web interface compatible with Internet Explorer, Mozilla, Firefox, or Netscape for over-IP access and control of your servers and other networked devices from any location. Devices attached to these DSR switches can be cycled on and off with the dedicated power control port and managed remotely without the need for onsite IT staff or costly service calls.

When deployed with Avocent DSView[®] 3 management software, you get a secure method to access and control your servers and network devices from a single interface. Its hub and spoke architecture provides failover authentication. Users authenticate to a central management server (the hub) or one of 15 mirror servers (the spokes). SNMP and IPMI support are also provided with DSView 3 management software.



DSR1021

8 ports

Ideal for higher concentrations of IT assets in the branch office and future growth.



DSR1022

4 ports

Cost effective remote IT management option.



DSR1031

8 ports with Virtual Media capability*

For management of IT assets and remote file transfers, patches, etc.



DSR1024

1 port

Small footprint and 1 port access is ideal for simple configurations in very limited spaces (such as ATMs). Also provides digital KVM over IP front-end to existing analog KVM switches.

FEATURES

User

- Remote server management
- Integrated solution for KVM and power control
- BIOS-level access
- External modem support
- Virtual Media support

Server Management

- On-board Web interface
- Single management platform*
- Access to IPMI-enabled servers*
- SNMP traps and e-mail notifications*
- Simplified management of routine tasks, updates and file loading, including automation of task schedules and updates*

Security

- Failover authentication*
- User logs and access control
- Local login for increased security
- Selectable Encryption (DES, 3DES, 128 bit, AES)

* Features available when integrated with DSView 3 management software.

Specifications

MECHANICAL

DSR1021, DSR1022, DSR1031 switches

Size: 1.72" (4.37 cm)H, 17.0" (43.18 cm)W, 8.08" (20.51 cm)D

Weight: 5.3 lbs (2.4 Kg) without cables

DSR1024 switch

Size: 1.10" (2.80 cm)H, 8.08" (20.51 cm)W, 8.08" (20.51 cm)D

Weight: 1.1 lbs (0.50 Kg) without cables

ENVIRONMENTAL

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

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

Humidity: 10% to 95% (Non-condensing)

POWER

Operating Voltage: 100-240 VAC

Power Frequency: 50-60 Hz autosensing

Input: 25 W maximum

SUPPORTED HARDWARE

Target Devices: PS/2, Sun, USB, Serial

Monitors: VGA, SVGA (XGA, XGA-II with adaptor)

Maximum resolution: 1280 x 1024, 75 Hz

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

DSR1031 switches also supports USB keyboard and mouse

SAFETY AND EMC APPROVALS AND MARKINGS

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

Feature

Benefit

USER

Remote branch management

Enables IT administrators to manage remotely located servers or serial devices. Avoids the need for costly visits to remote branch locations.

Virtual Media support for branches (DSR1031 switch only)

DSView 3 management software provides Virtual Media support with the DSR1031 switch. Use it to map CD-ROMs and other storage media to a remote branch server to conduct file transfers, application and OS patches, and diagnostics.

Integrated power control

DSR KVM over IP switches integrate with the Cyclades® PM power control device for remote power management and control of servers and network gear.

External modem support

When the network is down, IT administrators can dial into the target appliance and continue to manage remotely or restore the network.

On-board Web interface

On-board Web interface support gives you direct access to target devices without additional software. Beneficial to small companies who want a scalable system that can easily grow with them. DSView 3 management software can be added later as your system grows.

MANAGEMENT

Single management platform

Can be used with DSView 3 management software enabling you to use a single interface to manage your entire IT infrastructure, including data center and branch office locations.

Access IPMI-enabled servers

DSView 3 management software enables IT administrators to monitor and control system health including the temperature, fan, and voltage. Includes remote power management.

Scheduling

DSView 3 management software simplifies management of routine tasks, updates, and file loading including automation of task schedules and updates.

SECURITY

Redundant architecture

DSView 3 software, with hub and spoke architecture, provides failover access and administration. Users authenticate to a central management server or one of 15 mirror servers.

User logs and access control

DSView 3 software advanced security includes audit logs and gives you the power to assign individual user rights.

Part Number	Model	Description
DSR1021-001	DSR1021	1 digital user, 1 local user, 8 systems KVM over IP switch with rack mount kit
DSR1022-001	DSR1022	1 digital user, 1 local user, 4 systems KVM over IP switch with rack mount kit
DSR1024PS2-001	DSR1024	1 digital user, 1 local user, 1 PS/2 system KVM over IP desktop switch
DSR1024USB-001	DSR1024	1 digital user, 1 local user, 1 USB system KVM over IP desktop switch
DSR1031-001	DSR1031	Virtual Media, 1 digital user, 1 local user, 8 systems KVM over IP switch with rack mount kit



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