



DSR1021

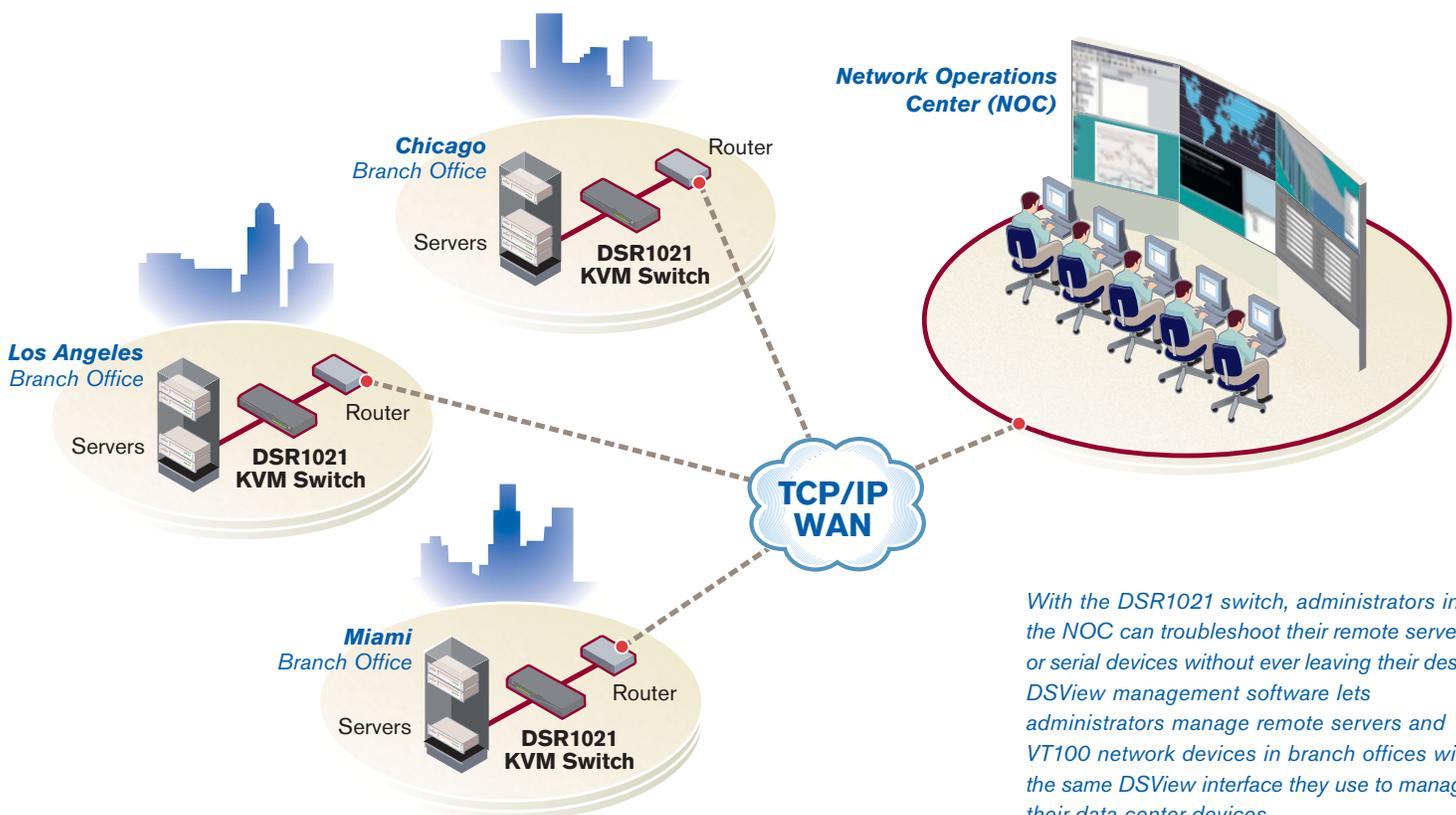
Discover the KVM over IP remote access solution every branch office needs

Managing branch offices and diverse device types without on-site personnel are critical issues facing IT administrators today. The Avocent DSR™1021 KVM switch is a cost-effective, KVM over IP appliance specifically designed for IT administrators who need to easily troubleshoot, reboot or even power cycle servers or serial-based network devices in branch offices. Using standard IP connections, our patented, KVM over IP technology provides a single, centralized management interface to access and control devices regardless of location or type. The DSR1021 switch, built on field-proven KVM over IP technology, combines external modem support and power control in a single solution. This complete solution provides secure 24/7 remote access to critical network devices in your branch offices. With remote access to diverse devices and a secure, centralized management interface, the DSR1021 switch helps IT administrators avoid costly on-site service calls to branch offices and improves access to business-critical devices.

DSR1021 BENEFITS

- Secure, centralized access avoids the need for costly on-site visits to branch offices
- Remote access with integrated KVM, an external modem and power control
- Boot-cycle control of servers and serial devices from a centralized software interface
- Eight configurable ports provide maximum flexibility for connecting servers or serial devices
- External modem support lets you dial into a remote server or serial device

Typical Branch Office Environment



With the DSR1021 switch, administrators in the NOC can troubleshoot their remote servers or serial devices without ever leaving their desk. DSView management software lets administrators manage remote servers and VT100 network devices in branch offices with the same DSView interface they use to manage their data center devices.



Q: I have computers at multiple sites. How do I use the Avocent DSR1021 switch to provide access?

A: The DSR1021 switch can be deployed wherever computers or servers are located. It connects to your network. Your technicians and administrators can access the attached devices directly from their desk.

Q: How does this branch office solution work with the DSR switches I have in my data center?

A: The DSR1021 switch is part of the Avocent DS Series KVM over IP switching solution. The DSR1021 switch is accessed using Avocent DSView® management software. Users do not have to learn a new interface since they would use the same DSView software to access a server in the data center or in a remote office.

Q: Can the DSR1021 switch provide access to other devices?

A: The DS Series has a wide variety of connection adaptors. Use the VT100 serial adaptor to access routers, DSUs or other networking devices.

Q: How do I get access if my network connection to a site is down?

A: The DSR1021 switch has a port that can be connected to a modem. This provides access to the site when the IP connection is not working. By connecting the router or DSU to the DSR1021 switch, you can diagnose WAN or server problems.

Q: Sometimes I need to cycle power to a device to reset it. How do I cycle power remotely?

A: The DSR1021 switch has a power control port built into the appliance. By connecting this port to an Avocent SPC power control device, you can remotely check power starts and cycle power. This means no more calling someone at the location to explain which power switch they need to cycle.

Q: How many devices can I connect to the DSR1021 switch?

A: The DSR1021 switch provides eight connections for devices at the remote location. Because of the connection adaptors, any mix of computers or VT100-based devices can be connected. For remote sites with more than eight devices, other DSR appliances are available.

Q: I use remote control software to manage my remote locations. How is this different?

A: The DSR1021 switch connects to the keyboard, video and mouse port of the computer. Unlike remote control software, the DS Series products do not require a functioning operating system, network stack, or application to be running to access the computer. By connecting externally, a CTRL-ALT-DEL command can be sent to reboot the computer. During the boot up, the BIOS can be accessed or the boot can be single stepped in order to troubleshoot boot problems. Remote control software cannot give boot level access.

Q: Depending on my site, my link speeds can be different. How does the DSR1021 switch handle different speeds?

A: The DSR1021 switch uses the Avocent Dambrackas Video Compression™ (DVC) algorithm. It provides selections to reduce the number of colors, including a gray scale selection, to operate over a variety of link speeds including speeds of a dial modem.