Avocent®

DSR1021
DSR1022
DSR1024

DSR BRANCH APPLIANCE 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 remote centralized software interface

- One, four or eight configurable port(s) provide maximum flexibility for connecting servers or serial devices

- External modem support lets you dial into a remote server or serial device when the primary WAN is unaccessible
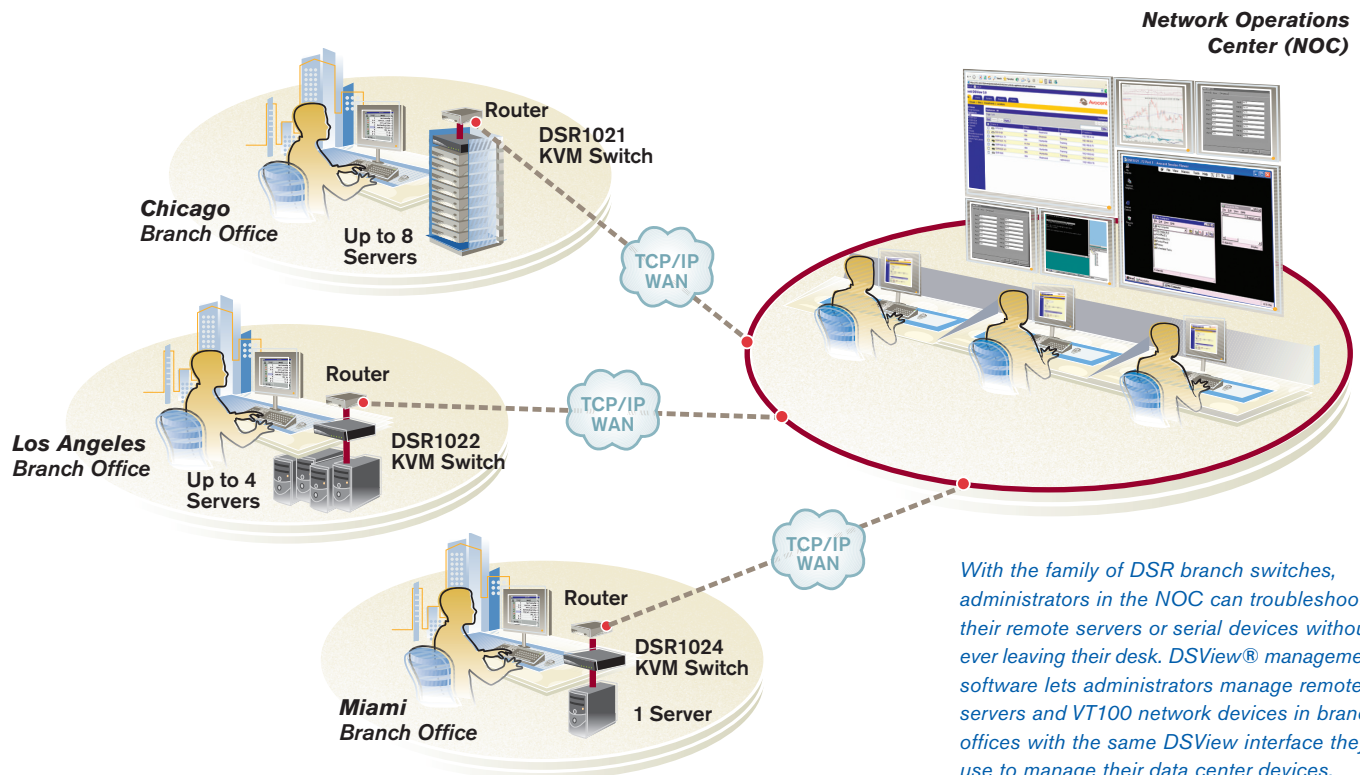
How to Control Branch Locations Without Leaving Your Office

Managing branch offices and diverse device types without on-site personnel are critical issues facing IT administrators today. The Avocent family of DSR® branch switches are cost-effective KVM over IP appliances 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 DSR branch switches, built on field-proven KVM over IP technology, combine 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 DSR branch switches help IT administrators avoid costly on-site service calls to branch offices and improve access to business-critical devices.

Typical Branch Office Environment

Network Operations Center (NOC)

Chicago Branch Office — Router — DSR1021 KVM Switch — Up to 8 Servers — TCP/IP WAN

Los Angeles Branch Office — Router — DSR1022 KVM Switch — Up to 4 Servers — TCP/IP WAN

Miami Branch Office — Router — DSR1024 KVM Switch — 1 Server — TCP/IP WAN

With the family of DSR branch switches, 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 & A

Q: I have servers at multiple sites. How do I use the Avocent DSR branch switches to provide access?

A: The DSR branch switches can be deployed wherever computers or servers are located. They connect 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 DSView®software I have in my data center?

A: The DSR branch switches are part of the Avocent DS Series KVM over IP switching solution. The DSR branch switches are 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 DSR branch switches 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 DSR branch switches have 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 DSR branch 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 DSR branch switches have 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: I use remote control software to manage my remote locations. How is this different?

A: The DSR branch switches connect 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 do the DSR switches handle different speeds?

A: The DSR branch switches use 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 an analog modem.

Q: What are the differences between the branch switches?

A:

SWITCH	TARGET DEVICE	USERS
DSR1021	8	1 local/1 digital
DSR1022	4	1 local/1 digital
DSR1024	1	1 local/1 digital

Avocent, the Power of Being There®