



**DS SERIES SOLUTIONS**  
ALL AT ONCE



## All At Once.

Your IT infrastructure is expanding. Your locations are cities apart. Data comes in and goes out at light speed. And you've got to keep it all together.

Life happens in real time. With the DS Series solutions from Avocent, you can do more than just keep up – you can anticipate. So when things happen “all at once,” you can handle any issue in your data centre, branch office or regional data centre. Easily. Securely. All at once.

As the industry leader, Avocent provides field-proven solutions. It isn't about the components. It's about how they all work together. And no one gives you the whole picture like Avocent.

## WITHOUT QUESTION, THE SINGLE **Most User-Friendly Solution**

You don't have to look far for complete remote management capability. With Avocent's innovative DSView® 3 management software and DS Series appliances, it's as close as your screen.

Our customers have told us they want to **"have it all,"** to control their entire network through a single, secure interface. We've listened, **engineering KVM, serial, IPMI** and **virtual media** connectivity solutions that are easy to learn and just as easy to use.

**DSView 3 software** lets you manage complexity, manage growth and keep critical systems healthy and available.



### **We're Always "ON"**

Thanks to Avocent's unique "hub and spoke" architecture, there's little or no downtime, so users can always access the system. Our DSView 3 software:

- offers multi-platform support, giving customers the flexibility to choose hardware and software for customised solutions
- provides single GUI interface for centralised server management
- supports Serial over LAN (SOL) devices (virtual serial ports on our CCM)
- manages power strips
- supports third-party power management devices
- provides IPMI support
- allows third-party authentication
- enables keyboard pass through
- enables users to access devices not physically attached to an Avocent appliance, such as HP/Compaq iLO, IBM RSA II, Dell DRAC 4, and NEC IPF and other embedded technologies

### **Be The First To Know**

DSView 3 software provides:

- real-time e-mail and pager notification
- scalable SNMP trap customisation
- centralised management of your entire infrastructure via a single interface



## Do More Than Manage – Take Control

Avocent enables IT administrators to do more with less. Manage all your network devices from a single interface. All the information you need, totally integrated. Easy access for you, and only you. Anytime, anywhere.



## Expect A Full Report

For those facing compliance issues, the DS Series offers detailed reporting solutions, including:

- event logs that record who accessed what and when, and export the data into easy-to-audit log sheets
- an advanced reporting interface that can report all “event” data
- customisable views to filter daily tasks and information, making your job much easier

## A Hub Of Activity

When you install DSView 3 software, it discovers appliances for initial setup as well as backup and restore functions.

Our software's hub-and-spoke architecture also allows an unprecedented level of redundancy – and flexibility. You can set up a master hub with up to 15 spokes, providing:

- easy access to authorised users at multiple locations
- real-time data updates and replication to avoid data loss
- mirror servers if the primary server is unavailable
- SNMP and IPMI proxy appliance support
- load balancing across multiple sites

## Simplified Maintenance

Management of tasks, updates, file loading and more has never been easier. DS Series solutions allow you to:

- automate task schedules according to specific times, days, weeks or months
- apply automatic updates to all appliances
- perform remote file loading and diagnostic testing from a USB device with remote virtual media



## MAXIMUM SECURITY **Both Virtual And Physical**

Whether you need to keep classified information from being shared across a network, hackers off your server, or your physical data files safe under lock and key, you'll have total security with DS Series software and hardware.

### **Total Data Lockdown**

Anytime, anywhere – but not just anyone. You alone control all access for your IT infrastructure: local data centres, remote offices, branch locations, everything.



### **DSVIEW 3 MANAGEMENT SOFTWARE FEATURES:**

- exit macros to prevent unauthorised users from having access
- several selectable encryption modes (AES, DES, 3DES, 128bit SSL), including video
- authentication against internal or external databases including LDAP, AD, NT Domain, TACACS+, RADIUS and RSA SecurID
- remote virtual media that allows more remote tasking – and security of your physical data centre or server room
- permission and security settings for individual users



## **All-At-Once Access**

Avocent DS Series appliances integrate KVM, an external modem and power control in one solution for access from any location in the world – even if the network is down – and allows virtual media capability if needed.

## TOOLS THAT BUILD **Connectivity**

IT infrastructure management is a critical component of business success for enterprise data centres, remote offices and small businesses. Avocent solutions give you the tools needed to stay on top of critical information.

### **KVM over IP Switches**

DSR® KVM over IP switches, available in 1, 4, 8, 16 and 32 ports, provide you with reliable digital and analogue switching solutions for multi-platform, multi-location, multi-device access and control. All our switches feature an on-board web interface compatible with Internet Explorer, Mozilla, Firefox, and Netscape for access and control of your servers over IP.

For the added benefits of centralised management and virtual media, increase your functionality with DSView 3 software.



### **Complete Console Control**

Avocent console management provides an easy and secure way to manage serial devices including servers, network appliances, telco and power units through local or remote IP connections. With secure in-band and out-of-band connectivity, these solutions offer on demand access to critical devices whether the network is up or down. Console servers also support industry standard Telnet and SSH clients.

- Cyclades ACS console servers provide secure, remote access to IT devices and console port management for UNIX and Windows based servers. Available in 1, 4, 8, 16, 32 and 48 port models in 1U form factor, single and dual power AC/DC options and PCMCIA support.
- Avocent CCM console management appliances (8, 16 and 48 ports) make management of serial devices easy with secure serial over LAN access. The CCM console manager provides access to virtual Remote Management Control Protocol (RMCP) console ports as well as physical console ports.

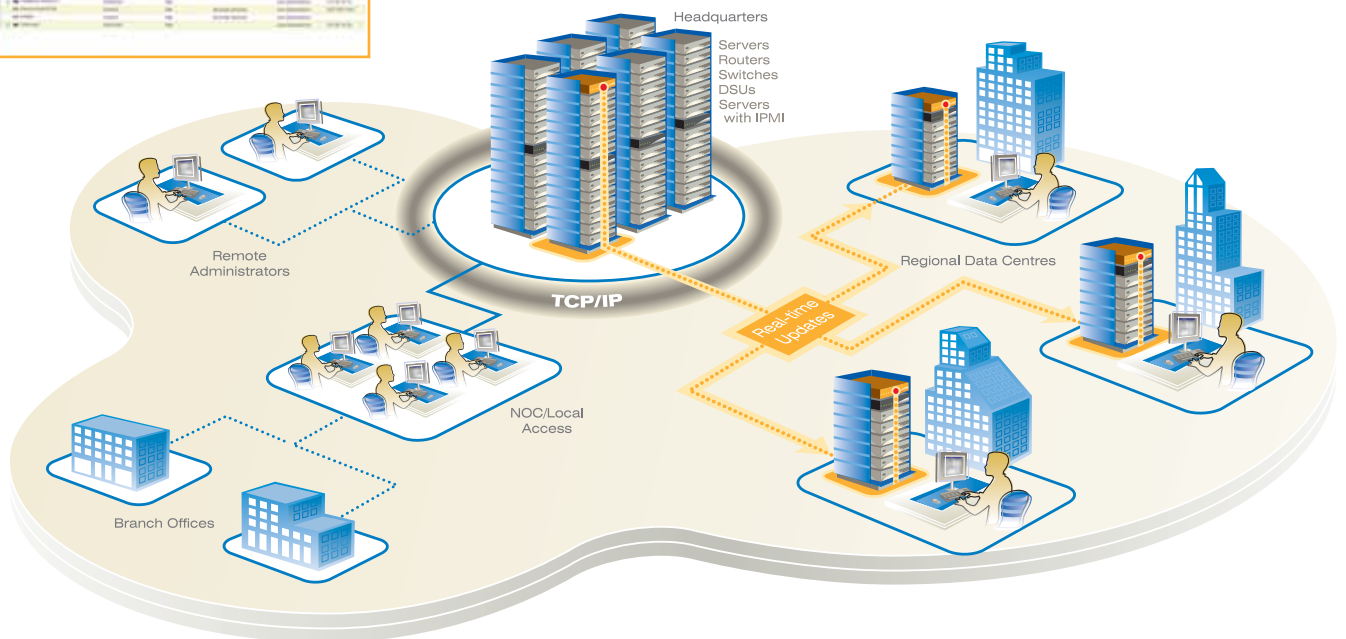


## Harnessing The Power Of The Individual

Using the Avocent DSI5100 IPMI proxy appliance, you can power up or down an individual IPMI-enabled server from any location. You can also monitor the health of an individual server – such as the temperature, fan speed and voltage – giving you plenty of advance warning to troubleshoot any problems. Because IPMI data is stored on a stand-alone processor independent of the OS, BIOS and CPU, you can use IPMI even when the operating system is unresponsive.

The DSI5100 proxy appliance also adds a layer of security to the information you send over IP, another unique advantage from our system.

## DS Series



WITHOUT QUESTION, THE SINGLE **Most User-Friendly Solution.**



A QUICK SUMMARY OF

## DS Series Solutions



### **SIMPLE MANAGEMENT TOOLS AND WIZARDS**

- True plug-and-play installation
- Discover appliances for initial setup, backup/restore
- Set permissions and security for each user
- Customise views based on user permissions (segregation of duties)

### **ADVANCED SECURITY FOR USER ACCESS AND CONTROL**

- Prevent unauthorised user access with the KVM industry's only exit macros
- Secure systems with selectable encryption modes, including video
- Authenticate against internal or external databases including LDAP, AD, NT Domain, TACACS+, RADIUS and RSA SecurID
- Secure the data centre physically by performing more tasks remotely with virtual media

### **DETAILED REPORTING FOR SIMPLIFIED AUDITING**

- Run detailed event logs for auditing and compliance reports
- Select advance reporting interface to report all event data
- Customise your view for filtering all daily tasks

### **ACTIVITY NOTIFICATION**

- Assign email notifications to keep informed of data centre activity
- Set up pager notifications for quick reaction to important events
- Configure SNMP traps for activity and alerts

### **EASIER SYSTEM MAINTENANCE**

- Schedule tasks to ensure events occur daily, weekly or monthly
- Apply automatic updates to all appliances
- Control and change appliance settings to install, configure, manage, upgrade and back up/restore
- Perform remote diagnostic testing from a CD with virtual media





Avocent provides vital access and secure management  
of your IT infrastructure – **ANYTIME, ANYWHERE.**

## All-At-Once Solutions

As the inventor of KVM over IP switching systems, Avocent is committed to constant innovation to meet your changing needs. After all, what works today may not work tomorrow, so why start from behind?

For more than two decades, Avocent has provided network administrators in every industry unprecedented access and control. With our advanced connectivity solutions, it's simple to locate, access, monitor, control and manage servers, desktop computers and other network devices.

In today's IT environment, change comes faster than ever. But with Avocent, you can handle it. All at once.



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