

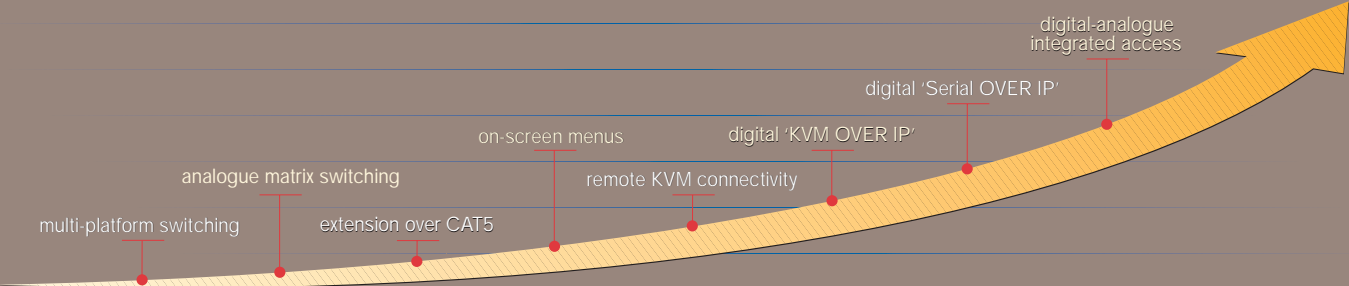


DS Series: Putting the entire data centre at your fingertips

Experience the power of simpler access and easier control. Experience scalable, flexible switching solutions from Avocent. From rack access to IP access, our switching solutions give you the power to connect and control your servers and expanding network.



OUR HISTORY OF
innovations



DS Series

THE POWER TO

simplify

Designed for demanding IT environments, Avocent's DS Series offers reliable digital and analogue switching solutions for multi-platform, multi-location, multi-device access and control. Using TCP/IP connectivity, the feature rich DS Series simplifies access to servers and other network devices by putting the entire data centre at your fingertips. From access at the rack to access at your desk, the DS Series provides an unmatched solution for today's data centre environments. The DS Series of network appliances includes DSView, DSR1161, DSR2161, DSR4160, DS1800, CPS and SPC power management devices.



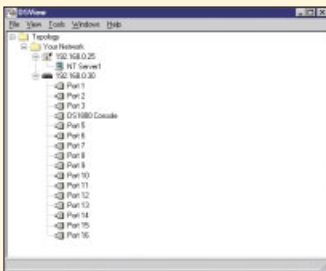
DSView • DSR • DS1800 • CPS • SPC



THE POWER TO
manage



DSView



The DS management software, which consists of the DSView client, DSAAuth server, DSAdmin and DSWebview, is the cornerstone of the DS series. DS software manages the DSR1161, DSR2161, DSR4160, DS1800 and CPS network appliances and the SPC power management devices.

The DSView interface uses industry standard IP connections so that you can easily troubleshoot, or even reboot a server, from the NOC, from your desk or from any location in the world. Avocent's DSView interface provides secure 'point-and-click' control to any connected device. With DSView, you can access all of your data centre devices - making complex network access and control remarkably easy. Avocent's DSAdmin and DSAAuth applications provide centralised network access, control and security for the DS Series appliances. DSAdmin configures topology, permissions and per-device contact information and performs third party authentication during connection to the switch.

DSWebview provides secure, browser-based access to virtually any data centre device via Avocent's DS Series product suite.

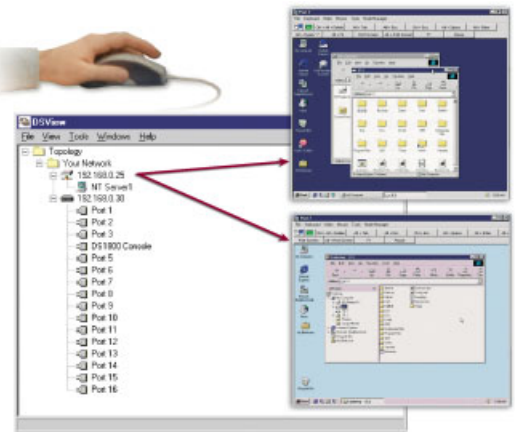


DSView - Secure point-and-click control to any connected device, using industry standard IP connections.

POINT - AND - CLICK ACCESS AND CONTROL

1. Select the data centre device you want to control
2. Windows are created, each representing a connected server or serial device
3. View all selected data centre devices via DSView
4. Manage your data centre devices using DSView and a standard IP connection

1



2

3



4



THE POWER TO
access



DSR & DSRIQ



The DSR suite combines the power of digital and analogue technology with Avocent's DSView software, providing for IP or rack level access and control of data centre devices. The DSR suite is comprised of three 16-port 1U high network appliances: DSR1161, DSR2161, and DSR4160. The DSR1161 lets you choose access at the rack or IP access to control your multi-platform server environments. The DSR2161 offers the flexibility of multi-access, multi-user, multi-location solutions with one local port for access at the rack and one Ethernet port allowing two simultaneous users over IP. The DSR4160 provides KVM switching access to 16 servers through an Ethernet port allowing four simultaneous users over IP. The DSR suite is managed with Avocent's patented OSCAR on-screen GUI for access at the rack and with DSView Windows application for IP access.



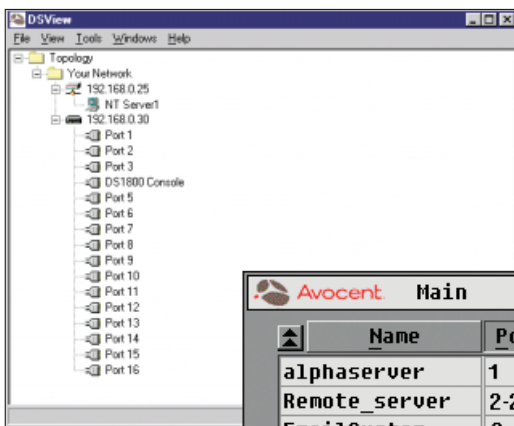
The DSRIQ smart cable with CAT 5 design features 'Keep Alive' and dramatically reduces cable clutter, which makes the design well suited for high-density installation. The DSRIQ simplifies installation and provides optimal digital display resolution and video settings.



DSR combines the power of digital and analogue technology into a single KVM switch for access the way you need it.

THE BEST OF BOTH WORLDS

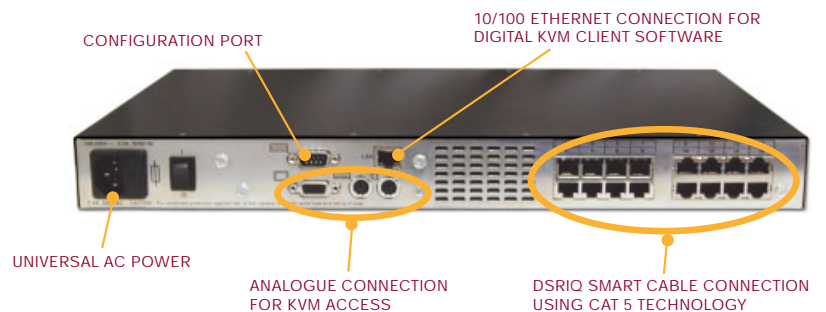
DSView



OSCAR

Name	Port	Access
alphaserver	1	⊙
Remote_server	2-2	⊗
EmailSystem	3	⊗
QualityControl	4	⊙
Release-Server	5	⊙ A
Test_PC	6	⊗
Lab-1	7-2	⊙ B
Lab-2	7-3	⊙

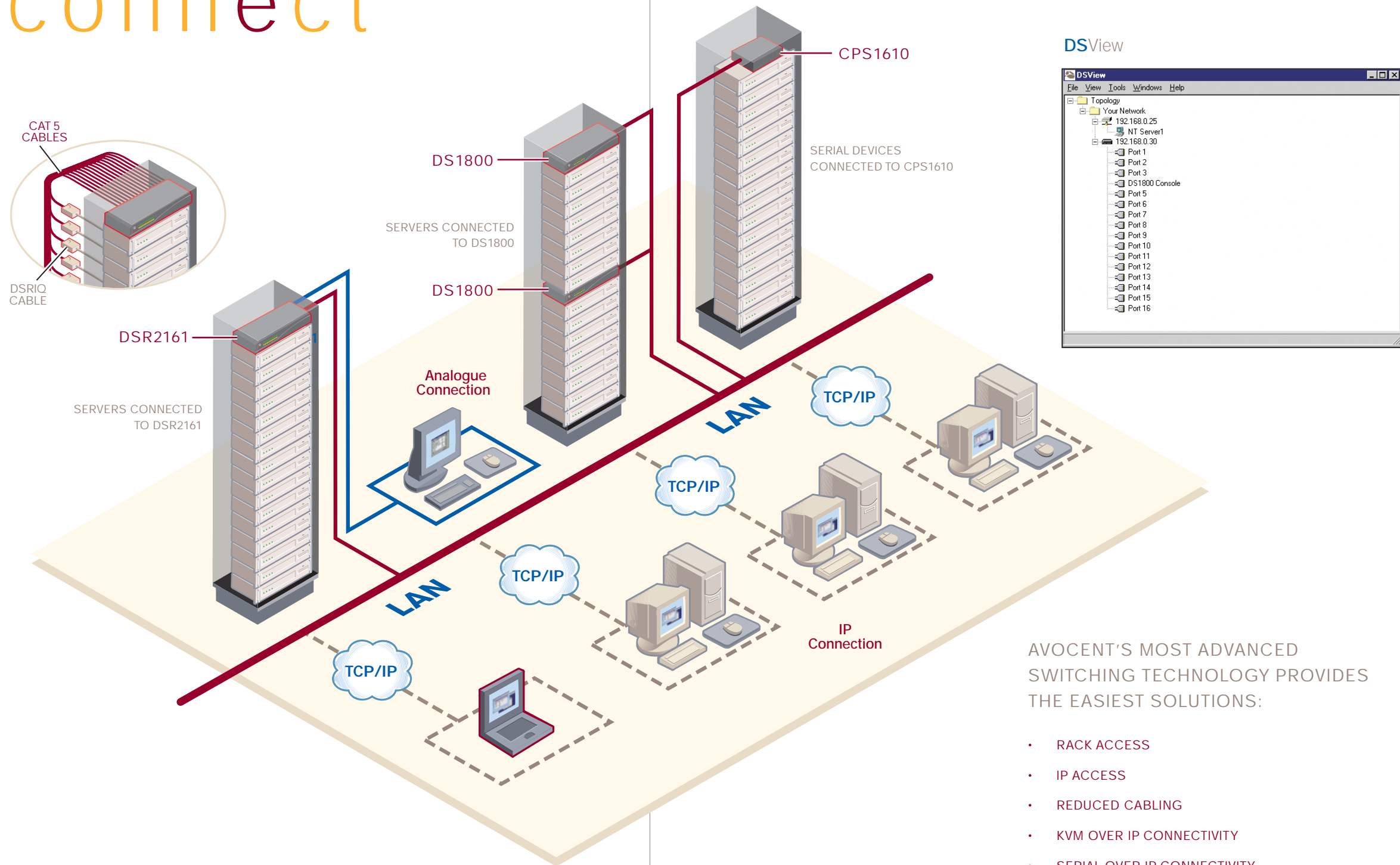
Buttons: Setup, Commands



FEATURES & BENEFITS

- **DSView** – Point-and-click access and control of data centre devices
- **Connectivity** – Digital paths and analogue ports on the DSR1161 and DSR2161 models
- **Multi-platform** - PS/2, Sun and USB servers and VT-100 serial-based devices
- **Flash Upgradeable** – Firmware designed for future hardware compatibility
- **Flexibility** – Access and control any data centre device via DSView and standard IP connections
- **Scalability** – Grows with your expanding IT environment by providing control for an unlimited number of servers; adding a user is as simple as adding a client
- **CAT 5 Cabling** – Reduces cable bulk

THE POWER TO
connect



AVOCENT'S MOST ADVANCED SWITCHING TECHNOLOGY PROVIDES THE EASIEST SOLUTIONS:

- RACK ACCESS
- IP ACCESS
- REDUCED CABLING
- KVM OVER IP CONNECTIVITY
- SERIAL OVER IP CONNECTIVITY
- CONVENIENT FLASH UPGRADES
- CENTRALISED NETWORK APPLIANCE MANAGEMENT WITH DSVIEW
- SECURE, BROWSER-BASED ACCESS TO DATA CENTRE DEVICES
- SECURE POWER MANAGEMENT OVER IP

THE POWER TO

leverage

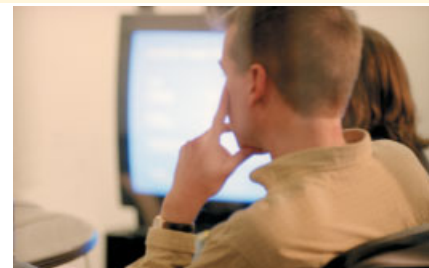


DS1800



The DS1800 leverages the power of your existing network infrastructure by using industry standard Ethernet connections to transmit KVM signals, rather than relying on proprietary KVM cabling. This field proven digital KVM network appliance captures analogue signals from a keyboard, monitor and mouse, converts them to digital packets, and then compresses the signals so that they may be transmitted securely over TCP/IP connections. KVM OVER IP technology gives you complete IP access to an unlimited number of servers, whether it is at the desk, in the NOC or from any location around the world.

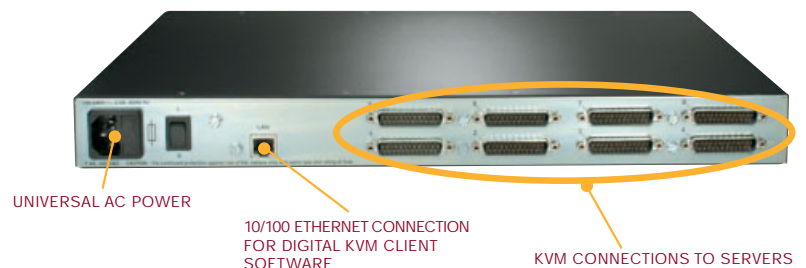
DS1800 features unlimited scalability and advanced security features as well as DSView to better manage all major server platforms.





With the **DS1800 KVM OVER IP** solution, you can leverage the talent of your IT experts, regardless of their location.

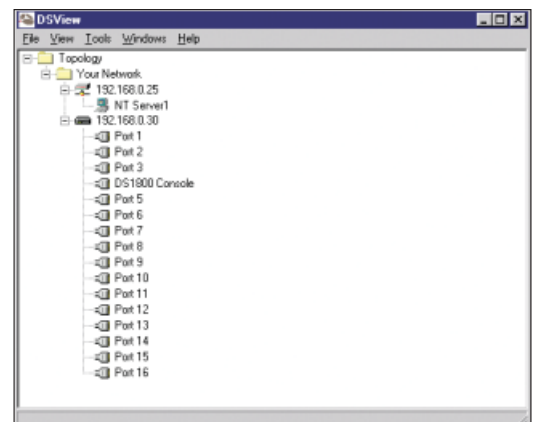
LEVERAGE YOUR EXISTING NETWORK INFRASTRUCTURE



FEATURES & BENEFITS

- **DSView** – Point-and-click access and control of data centre devices
- **Access** – Full non-blocked
- **Connectivity** – Eight digital paths with BIOS level reboot capability
- **Multi-platform** – PS/2, Sun and USB servers over one IP connection
- **Security** – Standard DES encryption, user authentication, permissioning, access and control and NT security
- **Cabling** – Reduced cable volume simplifies installation and reconfiguration
- **Flexibility** – Access and control any data centre device with DSView
- **Scalability** – Grows with your expanding IT environment by providing control for an unlimited number of servers; adding a user is as simple as adding a client

DSView

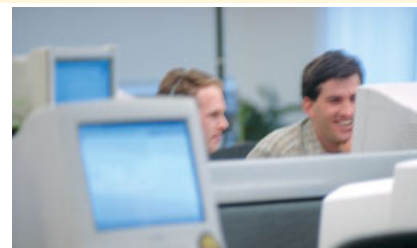


THE POWER TO

optimise



Access multiple data centre devices from a single IP connection. From servers to routers, Avocent's CPS delivers the access you need to better manage your IT environment.





CPS & SPC



The CPS technology delivers centralised access and control through an IP connection to serial-based devices. Serial OVER IP technology extends switching solutions to a wide range of data centre devices, including Sun servers, routers, power management devices, firewalls and Ethernet switches. With its slim design, two CPS units mounted side-by-side on a 1U high, 19 inch rack mount shelf provides up to 32 console port connections, making the CPS ideal for use with high-density servers and communication devices. Because each unit operates independently of the other, the CPS optimises serial device management by providing a truly scalable solution in the rack.

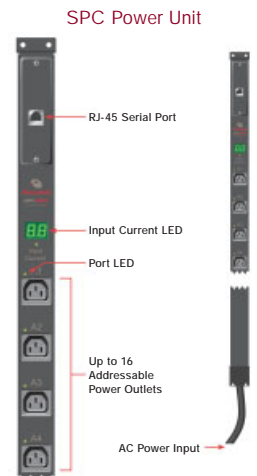
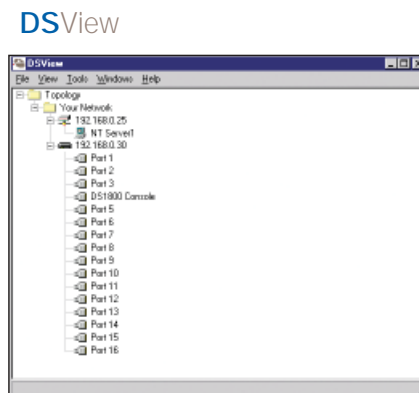
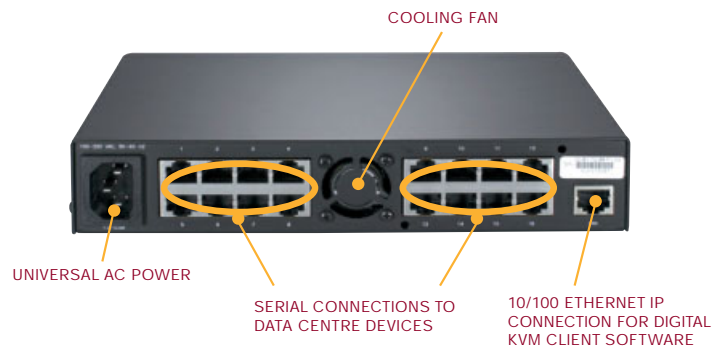
Combined with Avocent's CPS network appliance, the SPC power distribution unit delivers advanced power management and security. The SPC provides enhanced security options, including password protection, port specific access rights and port groupings. The CPS adds authentication and multiple levels of data encryption for advanced user security.

Using Avocent's DSView, you can remotely reboot or power cycle servers and network devices from any location using TCP/IP connectivity.

S E R I A L C O N N E C T I V I T Y O V E R I P

FEATURES & BENEFITS

- **DSView** – Point-and-click access and control of data centre devices
- **Access** – Full non-blocked
- **Buffering** – 64K buffering per port
- **Break Suppression**- Protection from unintended break commands to Sun servers
- **Connectivity** – 16 digital paths
- **Flexibility** – Access and control any data centre device from a single screen with the DSView
- **Compact Design** – Optimises space in high density installations with two CPS units mounted side-by-side in a 1U high 19 inch rack
- **Power Management** – Individual, addressable power outlets let you remotely reboot devices from any location in the data centre or across the globe





	Target Devices	Simultaneous Users	Platforms	Cables
DSR1161	16 Servers	1 Local, 1 Digital	PS/2, Sun, USB Serial-based devices	DSRIQ with CAT 5
DSR2161	16 Servers	1 Local, 2 Digital	PS/2, Sun, USB Serial-based devices	DSRIQ with CAT 5
DSR4160	16 Servers	4 Digital	PS/2, Sun, USB Serial-based devices	DSRIQ with CAT 5
DS1800	8 servers	8 Digital	PS/2, Sun, USB	Single Sheath KVM Cable
CPS810	8 Serial	8 Digital	Serial-based devices	8-Wire Serial Reversing Cable
CPS1610	16 Serial	16 Digital	Serial-based devices	8-Wire Serial Reversing Cable

THE POWER TO

succeed

In today's complex and constantly changing IT environments, you need the power to succeed. Avocent's technologies make it simpler for you to manage, access, connect, leverage and optimise your network.

Avocent's switching solutions include: AutoView, LongView, Outlook, SwitchView, DSR, DS1800, CPS and SPC. Learn more about Avocent's full range of switching, extension and anywhere access solutions at www.avocent-europe.com.





Avocent
The Power of Being There.™

Avocent Italia
P.za Spotorno 3
20159 Milano
Italia
Tel: +39 338-3189340

European Headquarters
Avocent International Limited
Avocent House, Shannon Free Zone
Shannon, Co Clare, Ireland
Tel: + 353 61 471 877
Fax: + 353 61 471 871
www.avocent-europe.com

Avocent International – Sweden
Box 10026, SE 121 26
Stockholm – Globen, Stockholm
Sweden
Tel: + 46 (0) 855 672 672
Fax: + 46 (0) 855 672 671

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Ramón y Cajal, 5 - 28100 Alcobendas (Madrid) Tlf. 91 662 51 08 Fax. 91 661 30 77
www.ssiseguridad.com ssi@ssiseguridad.com

Avocent International – UK
Building A, Trinity Court
Wokingham Road, Bracknell
Berkshire, RG42 1PL, UK
Tel: +44 (0) 1344 668 049
Fax: +44 (0) 1344 668 149

Avocent International – Benelux
Brainpark II
Lichtenauerlaan 102-120
3062 ME Rotterdam, The Netherlands
Tel: + 31 10 2045700
Fax: + 31 10 2045867

Avocent International - France
10-12, avenue de l'Arche
Faubourg de l'Arche
92419 Courbevoie Cedex, France
Tel +33 (0) 1 46 91 11 20
Fax +33 (0) 1 46 91 88 00
www.avocent.fr
Avocent Computertechnik GmbH
Gottlieb-Daimler-Straße 2-4
33803 Steinhagen, Germany
Tel.: +49 (0) 52 04 - 91 34 0
Fax: +49 (0) 52 04 - 91 34 99
www.avocent.de