



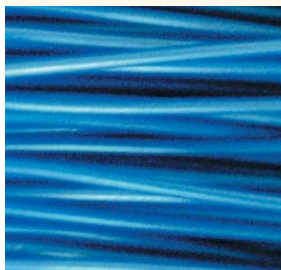
# AutoView & OutLook: KVM Access and Control

THE POWER OF  
**KVM Switching**



The Avocent AutoView and OutLook KVM switches deliver simple, reliable and convenient KVM switching to virtually any server in your network.

These KVM switches provide easy server selection and advanced manageability. With the Avocent powerful AutoView and OutLook KVM switches, your choices for easier access and increased control have never been better.



**AutoView and OutLook Products at a Glance**

	Users	Ports	Platforms	Key Features
<b>AutoView 2000</b>	Dual	16	PC, Sun, USB Serial-based	CAT 5 connections Multi-platform Advanced on-screen management
<b>AutoView</b>	Single	4, 8, 16	PC	Single point control
<b>AutoView 200</b>	Dual	4, 8	PC	Embedded extension technology
<b>AutoView 400/416/424</b>	Dual	4, 8, 16, 24	PC, Sun, USB	Multi-platform support
<b>OutLook 180ES</b>	Single	8	PC	Controls up to 128 computers from one console
<b>OutLook 1160ES</b>	Single	16	PC, Sun	Multi-platform support with adapters
<b>OutLook 2160ES</b>	Dual	16	PC	Dual user support with on-screen management
<b>OutLook 4160ES</b>	4	16	PC	Multi-server access and control with convenient on-screen management



# AutoView Product Series



## Multi-Server Control and Extension Technology

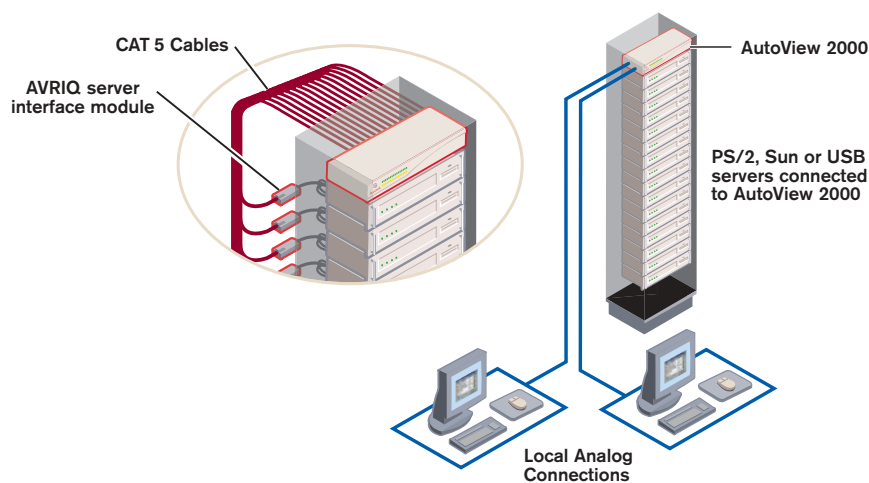
The versatile AutoView KVM switches add flexibility and performance to your network. The multi-platform, 16-port **AutoView 2000** integrates Avocent's field-proven analog KVM switching technology with advanced cable management, enhanced access and a patented next-generation user interface. The AutoView 2000 provides flexible access at the rack for two simultaneous users, eliminates cable bulk with Avocent's AVRIQ CAT 5 designed server interface module and provides convenient on-screen management with the OSCAR GUI. A unique benefit of the AutoView 2000 is the AVRIQ smart cable interface. The AVRIQ CAT 5 designed cable interface automatically assigns and retains unique server names for each attached server, which simplifies installation and eases re-configuration. The AutoView 2000 KVM switch supports all major server platforms and the OSCAR user interface allows for full system administration.

**AutoView**, the product suite's cornerstone, provides user-friendly on-screen display with 14-character naming capabilities and two-level security. This KVM switch offers switching methods from either the keyboard, front panel or the on-screen display and its advanced hot pluggability makes it easier to add, remove and swap channels without powering down your servers. The Keep Alive feature allows attached servers to continue network functions in the event of an AutoView power failure. Keyboard and mouse emulation processing power is provided through the keyboard connection on the servers. This prevents the attached computers from locking up and keeps you from losing time and data.

**AutoView 200** provides the benefit of two simultaneous users and built-in extension capability - up to 500 feet away. With AutoView 200, two users can view information on a single server at the same time. The powerful, multi-platform **AutoView 400** uses Avocent's embedded LongView extension technology. This built-in extension technology provides extended access capabilities using a single CAT 5 cable.

## Highlights

Features	Benefits
<b>OSCAR User Interface</b>	AutoView 2000 next-generation, on-screen GUI provides full system administration
<b>1U Design</b>	Rack mountable design saves space
<b>Smart Cable Interface</b>	AutoView 2000 AVRIQ cable interface eases installation, re-configurations and upgrades
<b>Extension Technology</b>	AutoView 200/400 add a second user from up to 500 feet away
<b>Multi-platform Support</b>	AutoView 200/400/2000 support all major server platforms
<b>On-screen Display</b>	Easy system administration
<b>Flash Upgradeable</b>	AVRIQ cable interface one click, simultaneous updates for all connected AVRIQ cables
<b>Hot Pluggable</b>	Add/remove servers without powering down



*In this configuration, the AutoView 2000 provides local analog connections for two simultaneous users. AutoView 2000 uses the AVRIQ server interface module for simple installation, easy re-configurations and reduced cable bulk. The OSCAR user interface provides convenient server selection and switching operations.*

## AutoView 2000

### AutoView

### AutoView 200

### AutoView 400

### AutoView 416

### AutoView 424



### AutoView 2000 Switch and AVRIQ Cable Interface

## Specifications

AutoView 2000, AutoView, AutoView 200, AutoView 400/416/424				
MECHANICAL	Height	Width	Depth	Weight
<b>AutoView Units</b>	1.7" (4.5 cm)	17.2" (43.7 cm)	6.5" (15.61 cm)	4.8 lbs (1.91 kg)
ENVIRONMENTAL / POWER / HARDWARE				
Operating Temperature	41° (5°C) to 104° (40°C)			
Storage Temperature	-4° (-20°C) to 122° (50°C)			
Power Requirements	100 - 240 VAC, 50 - 60 Hz			
Supported Hardware - Computer	IBM PC/AT, PS/2 and 100% compatibles			
Supported Hardware - Video Modes	XGA, XGA-II with adapter, 1600 x 1200 @ 85 Hz resolution			
Supported Hardware - Peripherals	<b>AutoView:</b> PS/2 keyboard, PS/2 mouse, IntelliMouse (PS/2 only) <b>AutoView 2000, AutoView 200 and AutoView 400/416/424:</b> PS/2 keyboard, PS/2 mouse, Microsoft Explorer mouse, Microsoft IntelliMouse family, IBM Scrollpoint, Logitech Mouseman Wheel, Logitech Trackman Marble Wheel, Logitech Marble FX and Kensington 4-button mouse <b>AutoView 400/416/424:</b> Sun Type 5 and Type 6			
Warranty	Two Year			

## Ordering Information

SWITCH		CABLES	
<b>AutoView 2000</b>		<b>AutoView and AutoView 200</b>	
AV2000-AM	Dual local users, 16-port with GUI	CUFC PC/Universal	6, 8, 15, 30 feet
<b>AutoView</b>		CIFCA PS/2/VGA	4, 8, 15, 30 feet
AV4C-AM	Single user, 4-port	CDUAL-0	Linking cable joining two AutoView switches
AV8C-AM	Single user, 8-port	<b>AutoView 400</b>	
AV16C-AM	Single user, 16-port (two AutoView switches with linking cables)	CUFC PC/Universal	6, 8, 15, 30 feet
<b>AutoView 200</b>		CIFCA PS/2/VGA	4, 8, 15, 30 feet
AV200-4A	Single user, 4-port	CUSB - USB/VGA	4, 8, 12 feet
AV200-8A	Single user, 8-port	CVSN - Sun/VGA	4, 8, 15, 30 feet
AV200R-4A	Dual user, 4-port with extended receiver	CWSN- Sun/13W3	4, 8, 15, 30 feet
AV200R-8A	Dual user, 8-port with extended receiver	<b>AutoView 416/424</b>	
<b>AutoView 400</b>		CUSBM - USB/VGA	4, 8, 12 feet
AV400-4	Single user, 4-port	CIFCM - PS/2/VGA	4, 8, 15, 30 feet
AV400-8	Single user, 8-port	CVSNM - Sun/VGA	4, 8, 15, 30 feet
AV400R-4	Dual user, 4-port with extended receiver	CWSNM- Sun/13W3	4, 8, 15, 30 feet
AV400R-8	Dual user, 8-port with extended receiver	<b>ACCESSORIES</b>	
<b>AutoView 416</b>		<b>AutoView 2000</b>	
AV416-AM	Single user, 16-port	RMK-38	Rack mount kit
AV416R-AM	Dual user, 16-port with extended receiver	<b>AutoView</b>	
<b>AutoView 424</b>		RMK-33	Rack mount kit (4 and 8-port models)
AV424-AM	Single user, 24-port	<b>AutoView 200</b>	
AV424R-AM	Dual user, 24-port with extended receiver	RMK-34	Rack mount kit (4 and 8-port models)
<b>CABLE INTERFACE</b>		AVRU	LongView extended receiver
<b>AutoView 2000</b>		<b>AutoView 400/416/424</b>	
AVRIQ-PS2	Interface module for VGA, PC keyboard, PC mouse with CAT 5 connection	VAD-13	Sun monitor to VGA adapter
AVRIQ-USB	Interface module for VGA, USB keyboard/mouse with CAT 5 connection	RMK-34	Rack mount kit (4 and 8-port models)
AVRIQ-VSN	Interface module for VGA, Sun keyboard/mouse with CAT 5 connection	AVRU	LongView extended receiver
AVRIQ-WSN	Interface module for 13W3, Sun keyboard/mouse with CAT 5 connection		
AVRIQ-SRL	Interface module for serial-based devices		

# OutLook Product Series



## Simple KVM Access with Increased Control

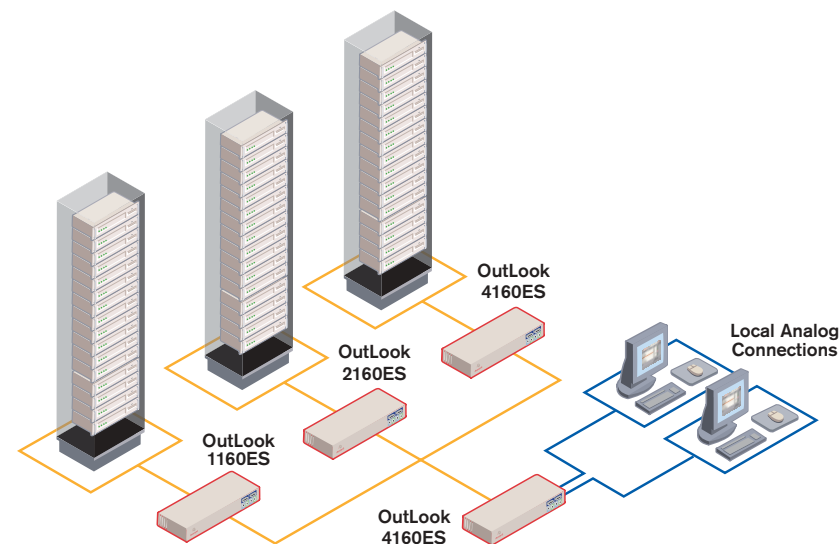
With advanced on-screen menuing, the OutLook KVM switches offer simple point and click access to your servers. OutLook's extensive functionality also includes programmable naming, scanning, security and system broadcast features. The 8-port **OutLook 180ES** is a single-user system that controls up to 128 computers from a single console. The 16-port **OutLook 1160ES** accommodates PC and Sun platforms and supports Intel, Sun, Macintosh, HP-9000, RS-6000 and Windows NT. The **OutLook 2160ES** supports dual users and provides extensive multi-server access. The **OutLook 4160ES** controls up to 256 computers from one console and supports four users.

For advanced access and control, OutLook uses the patented OSCAR on-screen configuration and reporting GUI. The OSCAR interface provides a Windows-like GUI to control all administrative functions and settings. OSCAR uses intuitive menus for system configuration and server selection and provides server status information at a glance. OSCAR also supports multi-platform server environments and includes support for multiple languages. With OSCAR, users easily benefit from convenient server identification and selection. Administrators can establish preferred user-defined naming conventions to create server lists and locate servers.

OutLook KVM switches are designed to optimize valuable space, time, power and hardware in the most extreme conditions. The OutLook is highly scalable and accommodates multiple users and computers as the server population grows. The 1U high-density design conserves valuable rack and server space, while providing improved cable management to minimize unnecessary cable bundles.

## Highlights

Features	Benefits
<b>OSCAR User Interface</b>	On-screen GUI provides full system administration
<b>1U Design</b>	Rack mountable design saves space
<b>Multi-language Support</b>	OSCAR supports French, German, Italian, Spanish and Portuguese languages
<b>Scalability</b>	Seamless integration with existing network infrastructure
<b>Flash Upgradeable</b>	Fast and easy updates
<b>High Density System</b>	Convenient cable management eliminates unnecessary cable bundles



## OutLook 180ES

## OutLook 1160ES

## OutLook 2160ES

## OutLook 4160ES



*This configuration illustrates the OutLook 1160ES, 2160ES, and 4160ES attached to 48 PCs. OutLook includes the OSCAR user interface, which provides intuitive menus for easy configuration and server selection.*



**OutLook 4160ES Switch and OSCAR GUI**

## Specifications

OutLook 180ES, OutLook 1160ES, OutLook 2160ES, OutLook 4160ES.				
MECHANICAL	Height	Width	Depth	Weight
OutLook Units	1.7" (4.5 cm)	17" (43.2 cm)	8.0" (20.3 cm)	5.7 lbs (2.6 kg)
ENVIRONMENTAL / POWER / HARDWARE				
Operating Temperature	32° (0°C) to 158° (70°C)			
Storage Temperature	-40° (-4°C) to 185° (85°C)			
Power Requirements	100 - 240 VAC, 50 - 60 Hz			
Supported Hardware - Computer	<b>OutLook 180ES, OutLook 1160ES, OutLook 2160ES, OutLook 4160ES:</b> RISC System 6000TM, PC, Apple Macintosh, HP9000 with adapters, IBM PC/AT, PS/2 and 100% compatibles			
Supported Hardware - Video Modes	VGA, SVGA, XGA 1600 x 1200 @ 72 Hz resolution			
Supported Hardware - Peripherals	PS/2 keyboard, PS/2 mouse, IntelliMouse (PS/2 only)			
Warranty	Two Year			

## Ordering Information

SWITCH		ACCESSORIES	
<b>OutLook 180ES</b>		<b>OutLook 180ES, OutLook 1160ES, OutLook 2160ES, OutLook 4160ES</b>	
180ES	Single user, 8-port with GUI	BR-11SB	Rack mount kit
<b>OutLook 1160ES</b>		CB-0011	PS/2-AT keyboard adapter
1160ES	Single user, 16-port with GUI	ELC-11KM	Keyboard/mouse adapter
<b>OutLook 2160ES</b>		ELC-11ST	Sun adapter
2160ES	Dual user, 16-port with GUI	ELC-11RVA	RS6000 adapter
<b>OutLook 4160ES</b>		ELC-11RVB	HP9000 adapter
4160ES	4 user, 16-port with GUI	ELC-12KM	Mac adapter
<b>CABLES</b>		ELC-15TE	ASCII adapter
<b>OutLook 180ES</b>			
CO single sheath locking	3, 7, 12, 20 feet		
CZ locking cable	50 feet		
CZ extension cable	7, 12 feet		
<b>OutLook 1160ES, OutLook 2160ES, OutLook 4160ES</b>			
COL dual interconnection	3, 7, 12, 20, 40 feet		

# THE POWER OF KVM Switching

## **AutoView 2000**

Advanced cable management, multi-platform support and a convenient user interface

## **AutoView**

On-screen display with 14-character naming capabilities

## **AutoView 200**

Supports a second user from up to 500 feet away

## **AutoView 400**

Provides support for PC, Sun and USB platforms - 8 ports

## **AutoView 416**

Provides support for PC, Sun and USB platforms - 16 ports

## **AutoView 424**

Provides support for PC, Sun and USB platforms - 24 ports

## **OutLook 180ES**

Controls up to 128 computers from a single console

## **OutLook 1160ES**

Supports multiple platforms and multiple languages

## **OutLook 2160ES**

Supports pre-emptive and cooperative switching modes

## **OutLook 4160ES**

Controls up to 256 computers from a single console

## **About KVM**

KVM stands for keyboard, video and mouse. KVM switching systems provide access and control of multiple racks of servers from a single console, as well as control from remote locations. These switches eliminate extra keyboards, monitors and mice and allow businesses to save critical space in their data centers. KVM solutions also provide extended cabling distances and console signal conversion.

## **About Avocent**

Avocent is the leading worldwide supplier of KVM switching and connectivity solutions that provide IT managers with access and control of multiple servers and network data center devices. Avocent was formed in July 2000 by the merger of leading industry innovators Cybex Computer Products Corporation and Apex Inc. Avocent's KVM solutions are distributed by the world's largest server manufacturers and installed in Fortune 100 companies around the world.

Headquartered in Huntsville, Alabama, Avocent has locations in Redmond, Washington; Sunrise, Florida; Chelmsford, Massachusetts; Austin, Texas; Shannon, Ireland; London, England; Steinhagen, Germany; Tokyo, Japan; Singapore and China.

## **Avocent's Product Portfolio**

Avocent's broad product portfolio includes data center solutions such as: AMX, AutoView, CPS, DS1800, DSR, LongView, OutLook, SPC, SwitchView and XP. Learn more about Avocent's full range of switching, extension, power management and remote IP solutions at [www.avocent.com](http://www.avocent.com).



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