



The Power of Being There™



AutoView & OutLook: KVM Access and Control

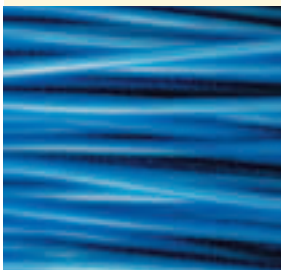
AutoView Series • OutLook Series

THE POWER OF
KVM Switching



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



AutoView

Product Series



Multi-Server Control and Extension Technology

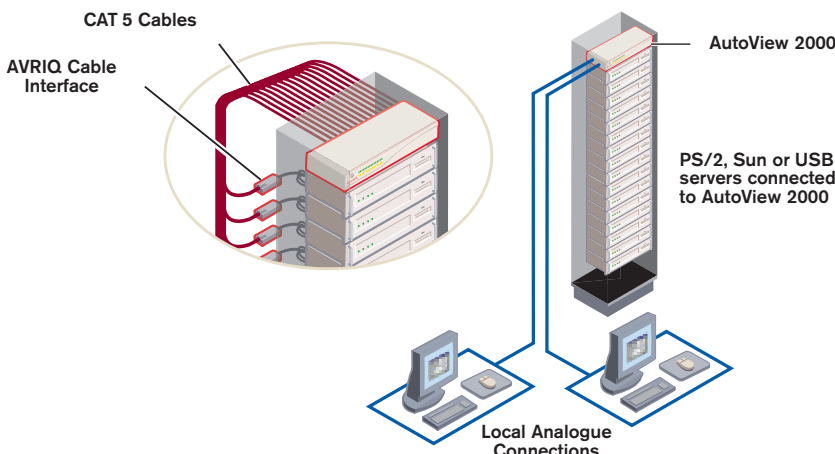
The versatile AutoView KVM switches add flexibility and performance to your network. The multi-platform, 16-port **AutoView 2000** integrates Avocent's field-proven analogue KVM switching technology with advanced cable management, enhanced access and a patented next-generation user interface. The AutoView 2000 provides flexible access at the rack for two simultaneous users, eliminates cable bulk with Avocent's AVRIQ CAT 5 designed cable interface 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 150 metres 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
OSCAR User Interface	AutoView 2000 next-generation, on-screen GUI provides full system administration
1U Design	Rack mountable design saves space
Smart Cable Interface	AutoView 2000 AVRIQ cable interface eases installation, re-configurations and upgrades
Extension Technology	AutoView 200/400 add a second user from up to 150 metres away
Multi-platform Support	AutoView 200/400/2000 support all major server platforms
On-screen Display	Easy system administration
Flash Upgradeable	AVRIQ cable interface one click, simultaneous updates for all connected AVRIQ cables
Hot Pluggable	Add/remove servers without powering down



In this configuration, the AutoView 2000 provides local analogue connections for two simultaneous users. AutoView 2000 uses the AVRIQ smart cable interface 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



Specifications

AutoView 2000, AutoView, AutoView 200, AutoView 400/416/424

MECHANICAL	Height	Width	Depth	Weight
AutoView Units	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	AutoView: PS/2 keyboard, PS/2 mouse, IntelliMouse (PS/2 only) AutoView 2000, AutoView 200 and AutoView 400/416/424: 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 AutoView 400/416/424: Sun Type 5 and Type 6
Warranty	Two Year

Ordering Information

SWITCH

AutoView 2000

AV2000-EU Dual local users, 16-port with GUI

AutoView

AV4C-EU Single user, 4-port

AV8C-EU Single user, 8-port

AV16C-EU Single user, 16-port (two AutoView switches with linking cables)

AutoView 200

AV200-4-EU Single user, 4-port

AV200-8-EU Single user, 8-port

AV200R-4-EU Dual user, 4-port with extended receiver

AV200R-8-EU Dual user, 8-port with extended receiver

AutoView 400

AV400-4-EU Single user, 4-port

AV400-8-EU Single user, 8-port

AV400R-4-EU Dual user, 4-port with extended receiver

AV400R-8-EU Dual user, 8-port with extended receiver

AutoView 416

AV416-EU Single user, 16-port

AV416R-EU Dual user, 16-port with extended receiver

AutoView 424

AV424-EU Single user, 24-port

AV424R-EU Dual user, 24-port with extended receiver

CABLE INTERFACE

AutoView 2000

AVRIQ-PS2 Interface module for VGA, PC keyboard, PC mouse with CAT 5 connection

AVRIQ-USB Interface module for VGA, USB keyboard/mouse with CAT 5 connection

AVRIQ-VSN Interface module for VGA, Sun keyboard/mouse with CAT 5 connection

AVRIQ-WSN Interface module for 13W3, Sun keyboard/mouse with CAT 5 connection

AVRIQ-SRL Interface module for serial based devices

CABLES

AutoView and AutoView 200

CUFC PC/Universal 6, 8, 15, 30 feet

CIFCA PS/2/VGA 4, 8, 15, 30 feet

CDUAL-0 Linking cable joining two AutoView switches

AutoView 400

CUFC PC/Universal 6, 8, 15, 30 feet

CIFCA PS/2/VGA 4, 8, 15, 30 feet

CUSB - USB/VGA 4, 8, 12 feet

CVSN - Sun/VGA 4, 8, 15, 30 feet

CWSN- Sun/13W3 4, 8, 15, 30 feet

AutoView 416/424

CUSBM - USB/VGA 4, 8, 12 feet

CIFCM - PS/2/VGA 4, 8, 15, 30 feet

CVSNM - Sun/VGA 4, 8, 15, 30 feet

CWSNM- Sun/13W3 4, 8, 15, 30 feet

ACCESSORIES

AutoView 2000

RMK-38 Rack mount kit

AutoView

RMK-33 Rack mount kit (4 and 8-port models)

AutoView 200

RMK-34 Rack mount kit (4 and 8-port models)

AVRU-EU LongView extended receiver

AutoView 400/416/424

VAD-13 Sun monitor to VGA adapter

RMK-34 Rack mount kit (4 and 8-port models)

AVRU-EU LongView extended receiver



AutoView 2000 Switch and AVRIQ Cable Interface

OutLook

Product Series



Simple KVM Access with Increased Control

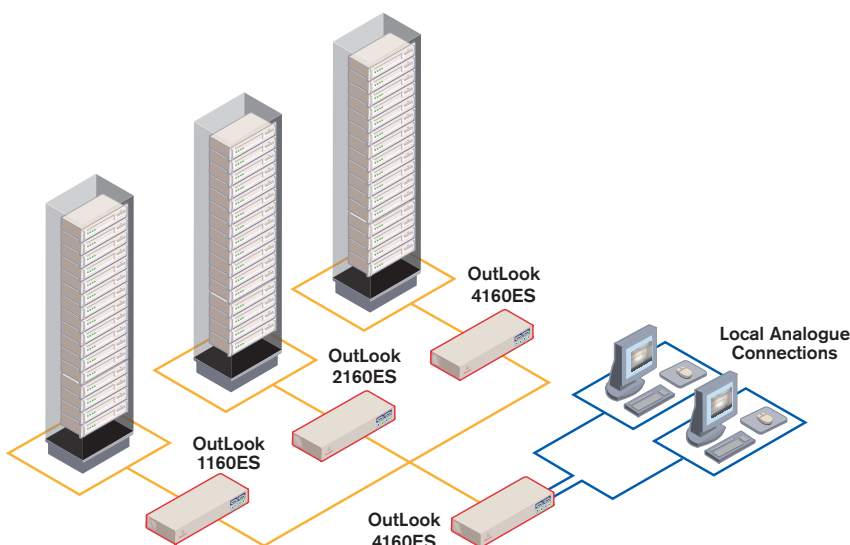
With advanced on-screen menuing, the OutLook KVM switches offer simple point and click access to your servers. OutLook's extensive functionality also includes programmable naming, scanning, security and system broadcast features. The 8-port **OutLook 180ES** is a single-user system that controls up to 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 optimise 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 minimise unnecessary cable bundles.

Highlights

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



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 180ES

OutLook 1160ES

OutLook 2160ES

OutLook 4160ES



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	OutLook 180ES, OutLook 1160ES, OutLook 2160ES, OutLook 4160ES: 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

OutLook 180ES

180ES-INT Single user, 8-port with GUI

OutLook 1160ES

1160ES-INT Single user, 16-port with GUI

OutLook 2160ES

2160ES-INT Dual user, 16-port with GUI

OutLook 4160ES

4160ES-INT 4 user, 16-port with GUI

CABLES

OutLook 180ES

CO single sheath locking 3, 7, 12, 20 feet

CZ locking cable 50 feet

CZ extension cable 7, 12 feet

OutLook 1160ES, OutLook 2160ES, OutLook 4160ES

COL dual interconnection 3, 7, 12, 20, 40 feet

ACCESSORIES

OutLook 180ES, OutLook 1160ES, OutLook 2160ES, OutLook 4160ES

BR-11SB Rack mount kit

CB-0011 PS/2-AT keyboard adapter

ELC-11KM Keyboard/mouse adapter

ELC-11ST Sun adapter

ELC-11RVA RS6000 adapter

ELC-11RVB HP9000 adapter

ELC-12KM Mac adapter

ELC-15TE ASCII adapter



**OutLook 4160ES Switch
and OSCAR GUI**



Avocent™

The Power of Being There™

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 150 metres 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 centres. 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 centre 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 centre 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-europe.com.

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