

# Avocent® AV3000 Series KVM Over IP Switching Solutions



## Benefits

### Powerful User Access Control

- Grant access to specified users or implement LDAP directory authentication
- Limit KVM access to specific targets on the switch
- Enable smart card or CAC readers to support two factor authentication
- Support HTML5 Viewer for more secured and Java-free KVM access

### Streamlined Management

Virtual Media support allows servers to access storage media attached to the KVM, enabling out-of-band file transfers and OS patch deployments.

### Local Port Access

Support for virtual media, USB keyboards and mice.

### Single Solution

Support for USB, PS/2, Sun and serial target devices in a single solution.

### Graphical, Multilingual OSD

Advanced, graphical On-Screen Display eases system configuration and server selection.

### Space-Saving

CAT-5, thin cabling saves space in the rack and allows up to a 30 meter distance between the server and the switch.

### Intelligent Cabling

Server interface modules and integrated access cables automatically assign and retain unique server names for each attached server.

## HTML5 Server Management for Small Data Centers and Remote/Branch Offices

Unplanned interruptions in service can have damaging effects on business no matter the scope or size of the data center. Whether the data center is in a closet, next to a desk or across the globe in a remote office, IT professionals need tools that provide consolidated, streamlined access to server resources. The Avocent® AV3000 series of KVM over IP switching solutions provides streamlined management and control of server resources all from a single console.

## Flexible and Scalable

The Avocent AV3000 KVM over IP portfolio is available in two options to support different needs. The AV3108 switch supports one local and one remote user and up to eight server or serial devices. The AV3216 supports up to two local and one remote user and 16 server or serial devices.

When in share mode, additional, authenticated users can share remote sessions for a total of up to 4 remote, concurrent users. Each AutoView™ switch supports VGA, Display Port, DVI and HDMI video targets and four USB 2.0 ports for USB enabled devices. When additional systems are added, AutoView switches can be tiered to provide consolidated management of up to 256 server or serial devices.

## Streamlined Management

The Avocent AV3000 series KVM over IP switch ships with two intuitive, integrated management interfaces. The OSCAR™ on-screen display for local access and the Web User Interface for remote management. Additionally, AV3000 series KVM over IP switches are compatible with Avocent® DSView™ management software for consolidated management across the infrastructure.

## Secure

In high security environments, CAC support with encryption for smart cards and password protection for local users, provides security you can depend on for your virtual media sessions. AES encryption can be selected for keyboard, mouse and video signals and virtual media sessions.

## Vertiv Avocent IP KVM vs Embedded Server Management (Service Processors)

- Provides plug-n-play access and control supporting a vendor-agnostic compute environment.
- Higher level of overall security and easier to deploy, maintain, and administrate.
- Can co-exist with other Vertiv IT management solutions covering network devices, power control, and virtualization access through a central portal solution.



AV3216: Vertiv™ Avocent® AutoView™ 32-port switch



SFIQ-VGA: Vertiv™ Avocent® Smaller Form Factor Server Interface Module for VGA video, USB keyboard/mouse supporting virtual media, CAC AND USB.20

\*HTML5 Viewer does not support smartcard and virtual media for CD drive and removable drive

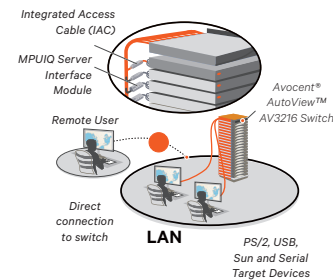
Avocent® AV3108 and Avocent® AV3216 KVM switches are designed for local and remote management of server resources.

# Avocent® AV3000 Series KVM Over IP Switching Solutions



## Product Specifications

	AV 3216	AV3108
Form Factor	1U rack mount	1U rack mount
Dimensions	Height: 1.72 inches (4.37cm) (1U)	Height: 1.72 inches (4.37cm) (1U)
	Width: 17 inches (43.2 cm)	Width: 17 inches (43.2 cm)
	Depth: 6.5 inches (16.5 cm)	Depth: 6.5 inches (16.5 cm)
Weight	4.4 lbs. (2.0 kg)	4.2 lbs. (1.9 kg)
Device Connectors	<ul style="list-style-type: none"> <li>• 16 ports for servers or serial devices</li> <li>• 4 USB 2.0 ports</li> </ul>	<ul style="list-style-type: none"> <li>• 8 ports for servers or serial devices</li> <li>• 4 USB 2.0 ports</li> </ul>
Remote Access	1 remote KVM over IP user 10/100 Mbps Ethernet port	1 remote KVM over IP user 10/100 Mbps Ethernet port
Local Access	2 local ports	1 local port
	1 ACI port for tiering to another AutoView switch	1 ACI port for tiering to another AutoView switch
VM/CAC Support	Virtual Media support over USB Common Access Card (CAC) capability for smart cards 128-bit SSL, AES, DES and 3DES encryption	
Features Include	Agentless control and access for 1 remote user LDAP authentication Single-stack IPv4 or IPv6 access Flash-upgradeable firmware AV KVM Switch and AVRIO	
Video Support	Local VGA connection. Supports VGA, DisplayPort, HDMI, or DVI targets 16:9 widescreen, up to 1680 x 1050 4:3 standard, up to 1600 x 1200	
Management Software	OSCAR™ On-Screen Display for local access Web User Interface Compatible with Avocent DSView™ management software	
Power Supply Specifications	Connector: IEC C14	
	Type: Internal	
	Power: 18W	
	Heat dissipation: 47 BTU/hr	
	AC input range: 100 - 240 VAC AC frequency: 50/60 Hz auto-sensing AC input current rating: 5 A AC input power (maximum): 20W	
Environmental	Operating: 32 to 122 degrees Fahrenheit (0 to 50 degrees Celsius) Non-operating: -4 to 158 degrees Fahrenheit (-20 to 70 degrees Celsius) Airflow is from non-port side (Front) to port side (Back)	
Supported Server Interface Adapters	Multi-platform support: PS/2 and USB. Also support for Avocent PS/2, PS2M, USB, Sun, USB2, VMC modules; Dell PS/2, USB, USB2-VM, USB2-VM+CAC SIPs	
Approved Agencies	UL, FCC Class A, cUL, ICES Class A, CE, EAC, VCCI Class A, KCC Class A, C-Tick, BSMI	
Warranty	Two Years with the options of 1/2/4 years Gold / Silver support and warranty	



Part number	Description
AV3108-400	1x8 Cat-5 switch with USB, OSCAR™ graphical user interface OSD, virtual media and CAC support, TAA compliant
AV3216-400	2x16 Cat-5 switch with USB, OSCAR™ graphical user interface OSD, virtual media and CAC support, TAA compliant

## What's included in the box

- The AutoView™ switch
- Rack mount bracket kit
- AC power cord
- Quick installation guide

## Service Interface Modules, Cables, and Accessories

SFIQ-VGA	Smaller Form Factor Server Interface Module for VGA video, USB keyboard/ mouse supporting virtual media, CAC and USB2.0.
SFIQ-VGA08	Smaller Form Factor Server Interface Module for VGA video, USB keyboard/ mouse supporting virtual media, CAC and USB2.0. (8 pack)
MPUIQ-VMCHS-G01	Server Interface Module for VGA video, USB keyboard/ mouse supporting virtual media, CAC and USB2.0. TAA compliant
MPUIQ-VMCHD	Server Interface Module for HDMI video, USB keyboard/ mouse supporting virtual media, CAC and USB2.0.
MPUIQ-VMCHD-G01	Server Interface Module for HDMI video, USB keyboard/ mouse supporting virtual media, CAC and USB2.0. TAA compliant
MPUIQ-VMCDV	Server Interface Module for DVI video, USB keyboard/mouse supporting virtual media, CAC and USB2.0
MPUIQ-VMCDV-G01	Server Interface Module for DVI video, USB keyboard/mouse supporting virtual media, CAC and USB2.0. TAA compliant
MPUIQ-VMCDP	Server Interface Module for DisplayPort video, USB keyboard/ mouse supporting virtual media, CAC and USB2.0
MPUIQ-VMCDP-G01	Server Interface Module for DisplayPort video, USB key- board/ mouse supporting virtual media, CAC and USB2.0. TAA compliant
AVRIO-SRL	Server Interface Module for VT100 serial devices for extended distance (requires UPD-AM)
UPD-AM	Power supply for MPUIQ-SRL modules; each UPD-AM can power up to four serial interface modules
DSAVIQ-PS2M	Server Interface Module for VGA video, PS/2 keyboard & mouse with USB virtual media
USBIAC2-7	7ft. USB integrated access cable 2nd gen
USBIAC2-10	10ft. USB integrated access cable 2nd gen

### Resources:

- [MergePoint Unity KVM switch datasheet](#)
- [KVM comparison matrix](#)
- [KVM modules compatibility matrix](#)
- [KVM cables and modules](#)
- [Maintenance program](#)

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