AVOCENT® AV 3000 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.

**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.

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**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. Encryption options include 128-bit SSL, AES, DES and 3DES and they can be selected for keyboard, mouse and video signals and virtual media sessions.
# AVOCENT® AV 3000 SERIES KVM OVER IP SWITCHING SOLUTIONS

## Product Specifications

<table>
<thead>
<tr>
<th></th>
<th>AV 3216</th>
<th>AV 3108</th>
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</thead>
<tbody>
<tr>
<td><strong>Form Factor</strong></td>
<td>1U rack mount</td>
<td>1U rack mount</td>
</tr>
<tr>
<td><strong>Dimensions</strong></td>
<td>Height: 1.72 inches (4.37 cm) (1U) Width: 17 inches (43.2 cm) Depth: 6.5 inches (16.5 cm)</td>
<td>Height: 1.72 inches (4.37 cm) (1U) Width: 17 inches (43.2 cm) Depth: 6.5 inches (16.5 cm)</td>
</tr>
<tr>
<td><strong>Weight</strong></td>
<td>4.4 lbs. (2.0 kg)</td>
<td>4.2 lbs. (1.9 kg)</td>
</tr>
<tr>
<td><strong>Device Connectors</strong></td>
<td>• 16 ports for servers or serial devices • 4 USB 2.0 ports</td>
<td>• 8 ports for servers or serial devices • 4 USB 2.0 ports</td>
</tr>
<tr>
<td><strong>Remote Access</strong></td>
<td>1 remote KVM over IP user 10/100 Mbps Ethernet port</td>
<td>1 remote KVM over IP user 10/100 Mbps Ethernet port</td>
</tr>
<tr>
<td><strong>Local Access</strong></td>
<td>2 local ports 1 ACI port for tiering to another AutoView switch</td>
<td>1 local port 1 ACI port for tiering to another AutoView switch</td>
</tr>
<tr>
<td><strong>VM/CAC Support</strong></td>
<td>Virtual Media support over USB</td>
<td>Common Access Card (CAC) capability for smart cards 128-bit SSL, AES, DES and 3DES encryption</td>
</tr>
<tr>
<td><strong>Features Include</strong></td>
<td>Agentless control and access for 1 remote user LDAP authentication Single-stack IPv4 or IPv6 access Flash-upgradeable firmware AV KVM Switch and AVRIQ</td>
<td>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</td>
</tr>
<tr>
<td><strong>Management Software</strong></td>
<td>OSCAR™ On-Screen Display for local access Web User Interface Compatible with Avocent DSView™ management software</td>
<td>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</td>
</tr>
<tr>
<td><strong>Power Supply Specifications</strong></td>
<td>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)</td>
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<tr>
<td><strong>Environmental</strong></td>
<td></td>
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<tr>
<td><strong>Supported Server Interface Adapters</strong></td>
<td>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</td>
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<tr>
<td><strong>Approved Agencies</strong></td>
<td>UL, FCC Class A, cUL, ICES Class A, CE, EAC, VCCI Class A, KCC Class A, C-Tick, BSMI</td>
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<tr>
<td><strong>Warranty</strong></td>
<td>Two Years</td>
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## PART NUMBER DESCRIPTION

- **AV3108-XXX** 1x8 Cat-5 switch with USB, OSCAR™ graphical user interface OSD, virtual media and CAC support
- **AV3216-XXX** 2x16 Cat-5 switch with USB, OSCAR™ graphical user interface OSD, virtual media and CAC support

## SERVER INTERFACE MODULES

- **MPUIQ-VMCHS** Server interface module for VGA, USB keyboard, mouse supporting virtual media, CAC and USB2.0.
- **MPUIQ-VMCHD** Server Interface Module for HDMI video, USB keyboard/mouse supporting virtual media, CAC and USB2.0.
- **MPUIQ-VMCDV** Server Interface Module for DVI video, USB keyboard/mouse supporting virtual media, CAC and USB2.0.
- **MPUIQ-VMCDP** Server Interface Module for DisplayPort video, USB keyboard/mouse supporting virtual media, CAC and USB2.0.
- **AVRIQ-SRL** Server interface module for VT100 serial devices for extended distance (requires UPD-AM)
- **DSAVIQ-PS2M** Server interface module for VGA video, PS/2 keyboard & mouse with USB virtual media

## CABLES

- **PS2IAC-7** 7 ft. PS/2 CAT-5 integrated access cable
- **PS2IAC-10** 10 ft. PS/2 CAT-5 integrated access cable
- **PS2IAC-15** 15 ft. PS/2 CAT-5 integrated access cable
- **USBIAC-7** 7 ft. USB CAT-5 integrated access cable
- **USBIAC-10** 10 ft. USB CAT-5 integrated access cable
- **USBIAC-15** 15 ft. USB CAT-5 integrated access cable

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