

# Vertiv™ Avocent® ACS8000 Advanced Console Server



A Next-Generation Console Management Solution

## Benefits

- 4G LTE cellular connectivity provides both primary WAN interface and secondary failover support
- Environmental sensor port gives visibility into onsite conditions
- Secure in-band and out-of-band network remote management
- Fast, automated configuration with Zero Touch Provisioning
- Access and troubleshoot remote locations using automatic network failover to cellular, Ethernet or analog modem
- No need for adaptors with automatic Vertiv™ Cyclades™ and Cisco pin-out conversions
- Customizable access rights and user groups allow for resource sharing and compliance with security policies
- Expanded support for Rack PDUs from Vertiv Geist, ServerTech, APC, Raritan and Eaton
- Support for Vertiv™ GXT4 and Vertiv™ GXT5 UPS systems
- IPv6 and IPv4 support for new network deployments
- Integration with Vertiv™ Avocent® DSView™ software for centralized management
- Console event logging and notification, including “last gasp” capture
- Regulatory compliance and easy troubleshooting – online and off-line data logging with time stamps
- Integrated support for 1Gb SFP fiber modules
- 8 USB ports to support new IT equipment with USB console ports as well as external peripherals
- Employs FIPS 140-2 cryptographic module for enhanced security
- Secure communications via IPsec VPN tunnels and TLS1.3 exchanges

The Avocent® ACS8000 advanced console server series continues the long running success story with a ground-up platform of innovation, integrating important new connectivity features such as cellular, gigabit fiber, USB and sensors. IT professionals and network operations center (NOC) personnel can now harness these new capabilities to further enable them to perform secure, remote data center management and out-of-band management of IT assets from anywhere in the world. Featuring a dual-core ARM processor architecture with expanded memory capabilities, the updated Linux operating system and DSView™ management software, provides the Avocent ACS8000 optimal performance, security, reliability for a complete out-of-band management solution.

## Applications

- Secure console and power management
- Server and network management
- Secure access to test and development lab environments
- Telco central office and remote facilities

## Ordering Details

### AC Power Supply Models

AC Models	Description
ACS8008SAC-404	ACS8000 8-port unit single AC power supply
ACS8008MDAC-404	ACS8000 8-port unit dual AC power supply with built-in modem
ACS8016DAC-404	ACS8000 16-port unit dual AC power supply
ACS8032DAC-404	ACS8000 32-port unit dual AC power supply
ACS8032MDAC-404	ACS8000 32-port unit dual AC power supply with built-in modem
ACS8048DAC-404	ACS8000 48-port unit dual AC power supply
ACS8048MDAC-404	ACS8000 48-port unit dual AC power supply with built-in modem
ACS8008-AP-DAC-400	ACS8000 8-port cellular APAC 4G/LTE dual AC
ACS8016-AP-DAC-400	ACS8000 16-port cellular APAC 4G/LTE dual AC
ACS8032-AP-DAC-400	ACS8000 32-port cellular APAC 4G/LTE dual AC
ACS8048-AP-DAC-400	ACS8000 48-port cellular APAC 4G/LTE dual AC

### DC Models

DC Models	Description
ACS8032MDDC-404	ACS8000 32-port dual DC power supply

Additional models are also available. Contact your sales representative for more information  
\*-400 models are TAA compliant

## Hardware Specifications

CPU	Dual-core ARM Cortex-A9 MPCore with CoreSight		
Memory	1GB DDR3L RAM 16GB eMMC Flash		
Interfaces	2 Gigabit Fiber SFP ports 2 Gigabit (10/100/1000BT) Ethernet interfaces (RJ45) 1 RS-232 serial console port (RJ45) Up to 48 RS-232 serial ports (RJ45) First 2 ports selectable between RS-232/RS-422/RS-485 8 USB 2.0 Ports on Type A connector 1 full size SD Card slot Environmental sensor port (RJ45) (1-wire) 4 digital-in ports (smoke, leak, pressure and dry contact sensors) Cellular models: 2 x SMA connectors - antenna diversity		
Power	AC models: Internal 100–240 VAC, 50/60 Hz with IEC C14 connectors DC models: –48 VDC power supply Optional dual entry, redundant AC and DC power supplies		
Power Usage	<b>Nominal voltage 120VAC:</b> Typical 0.13A, 6.2W Maximum 0.47A, 28W	<b>Nominal voltage 240VAC:</b> Typical 0.10A, 7W Maximum 0.29A, 28W	<b>Nominal voltage 48VDC (±20%)</b> Typical 0.22A, 11W Maximum 0.67A, 33W
Operating Temp.	14°F to 140°F (-10°C to 60°C)		
Storage Temp.	-4° to 158°F (-20° to 70°C)		
Operating Humidity	20% to 80% Non-condensing RH		
Storage Humidity	5% to 95% Non-condensing RH		
Dimensions (W x D x H)	17.25W x 9.5D X 1.75H in (43.82 x 24.13 x 4.45 cm)		
Weight	6.4 - 7.2 lbs		
Certifications	<b>Emissions and Immunity:</b> <ul style="list-style-type: none"> <li>FCC Class A</li> <li>CE Class A (EU)</li> <li>CES-003 (Canada)</li> <li>VCCI (Japan)</li> <li>RCM (Australia)</li> <li>KCC (Korea)</li> <li>BSMI (Taiwan)</li> <li>UKCA (UK)</li> </ul>	<b>Safety:</b> <ul style="list-style-type: none"> <li>UL (USA)</li> <li>cUL (Canada)</li> <li>EN / IEC 60950</li> <li>EN / IEC 62368-1 2nd Ed, 3rd Ed</li> <li>BSMI (Taiwan)</li> <li>BIS (India)</li> <li>NOM (Mexico)</li> <li>UKCA (UK)</li> </ul>	<b>EMC/Radio Compliance (Cellular Related):</b> <ul style="list-style-type: none"> <li>FCC Part 15 Class A</li> <li>FCC Part 22, 24, 27</li> <li>RSS-130/132/133/139</li> <li>EU Directives: EN 301 489-1, EN 301 489-52, EN 301 908-1, EN 301 511, EN 303 413</li> <li>MITT/NAL (China)</li> <li>SRRC (China)</li> </ul> <b>Carrier Network (Cellular Related):</b> <ul style="list-style-type: none"> <li>PTCRB</li> <li>AT&amp;T network approval</li> <li>Verizon network approval</li> </ul>
Cellular Type	4G/LTE Cat.4 with 3G fallback – (2FF/mini SIM card slot)		
Cellular Frequency Bands (MHz)	4G Bands (MHz): B1(2100), B2(1900), B3(1800), B4(AWS1700), B5(850), B7(2600), B8(900), B12/B13(700), B18(850), B19(850), B20(800), B25(1900), B26(850), B28(700) TDD: B38(2600), B39(1900), B40(2300), B41(2500) 3G Bands (MHz): B1(2100), B2(1900), B4(AWS1700), B8(900), B19(850), B5(850), B6(800) *ACS80xx regional cellular models available with different 4G/3G coverage		

