Avocent® ACS8000 Advanced Console Server

A Next-Generation Console Management Solution

Benefits

- NEW! 4G LTE cellular connectivity provides both primary WAN interface and secondary failover support
- NEW! - 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 Cyclades™ and Cisco pin-out conversions
- Compliance with data center access and security policies customizable, multiple access levels
- 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 Avocent® DSView™ software for centralized management
- Strong dial-up and secure dial-back using optional built-in modem
- 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

The Avocent® ACS8000 advanced console server series continues the long running success story with a new, 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-400	ACS8000 8-port unit single AC power supply
ACS8008MDAC-400	ACS8000 8-port unit dual AC power supply with built-in modem
ACS8016SAC-400	ACS8000 16-port unit single AC power supply
ACS8016DAC-400	ACS8000 16-port unit dual AC power supply
ACS8016MDAC-400	ACS8000 16-port unit dual AC power supply with built-in modem
ACS8032SAC-400	ACS8000 32-port unit single AC power supply
ACS8032MDAC-400	ACS8000 32-port unit dual AC power supply with built-in modem
ACS8048SAC-400	ACS8000 48-port unit single AC power supply
ACS8048DAC-400	ACS8000 48-port unit dual AC power supply
ACS8048MDAC-400	ACS8000 48-port unit dual AC power supply with built-in modem
ACS8008-LN-DAC-400*	ACS8000 8-port cellular AT&T 4G/LTE dual AC
ACS8016-LN-DAC-400*	ACS8000 16-port cellular AT&T 4G/LTE dual AC
ACS8032-LN-DAC-400*	ACS8000 32-port cellular AT&T 4G/LTE dual AC
ACS8048-LN-DAC-400*	ACS8000 48-port cellular AT&T 4G/LTE dual AC
ACS8008-NA-DAC-400	ACS8000 8-port cellular AT&T/Verizon 4G/LTE dual AC
ACS8016-NA-DAC-400	ACS8000 16-port cellular AT&T/Verizon 4G/LTE dual AC
ACS8032-NA-DAC-400	ACS8000 32-port cellular AT&T/Verizon 4G/LTE dual AC
ACS8048-NA-DAC-400	ACS8000 48-port cellular AT&T/Verizon 4G/LTE dual AC

Additional models are also available. Contact your sales representative for more information
** -400 models are TAA compliant; some -404 models will be available in other regions*

DC Models	Description
ACS8008SDC-400	ACS8000 8-port unit single DC power supply
ACS8016SDC-400	ACS8000 16-port unit single DC power supply
ACS8032MDDC-400	ACS8000 32-port unit dual DC power supply with built-in modem
ACS8048MDDC-400	ACS8000 48-port unit dual DC power supply with built-in modem

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 on RJ45 1 RS-232 serial console port on RJ45 Up to 48 RS-232 serial ports on 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 on RJ45 (1-wire) 4 digital-in ports (smoke, leak, pressure and dry contact sensors)
Power	Internal 100–240 VAC, 50/60 Hz Optional –48 VDC power supply Optional dual entry, redundant AC and DC power supplies
Power Usage	Nominal voltage 120VAC: Typical 0.13A, 6.2W Maximum 0.47A, 28W Nominal voltage 240VAC: Typical 0.10A, 7W Maximum 0.29A, 28W Nominal voltage 48VDC (±20%) 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

Avocent® ACS8000 Cellular Console Server

Certifications	Emissions and Immunity: • FCC Class A • CE Class (EU) • ICES-003 (Canada) • VCCI (Japan) • RCM (Australia) • Customs Union (CU) • KCC (Korea)	Safety: • UL (USA) • cUL (Canada) • EN-60950 (EU) • CB • Customs Union (CU) • UL 60950-1 2nd ED (Cellular related) • cUL 60950-1 2nd ED • IEC 60950-1 2nd ED (Cellular Related)	EMC/Radio Compliance (Cellular Related) • FCC Part 15 Class B • FCC Part 22, 24, 27 Network (Cellular Related) • PTCRB
Cellular Type	4G/LTE Cat.4 with 3G fallback – AT&T, Verizon - (2FF/mini SIM card slot)		
Cellular Frequency Bands (MHz)	4G Bands (MHz): B2(1900), B4(AWS1700), B5(850), B12(700a), B13(700c), B66(AWS-3 1700), B71(600) AT&T – Utilizes B2, B4, B5, B12, B14 Verizon – Utilizes B4, B13 3G Bands (MHz): B2(1900), B4(AWS1700), B5(850)		

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