**AVOCENT® ACS 5000 ADVANCED CONSOLE SERVER**
A Complete Console Management Solution

<table>
<thead>
<tr>
<th>BENEFITS</th>
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<tbody>
<tr>
<td>• Secure in-band and out-of-band network remote management</td>
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<tr>
<td>• Integrated centralized administration – using Avocent DSView management software</td>
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<td>• Regulatory compliance and easy troubleshooting – online and off-line data logging with time stamps</td>
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<td>• Power management – integrated power control</td>
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<td>• Easy configuration and installation – auto-discovery of host names</td>
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<tr>
<td>• Windows® Server 2003 Emergency Management Services (EMS) support</td>
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<td>• Clustering – central access to multiple console servers</td>
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<tr>
<td>• Improved network monitoring</td>
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<td>• Rack space savings – 1U form factor</td>
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The Avocent® ACS 5000 advanced console server offers IT professionals and network operations center (NOC) personnel the ability to perform secure, remote data center management and out-of-band management of IT assets from anywhere in the world.

Using a hardened Linux® operating system, the Avocent ACS 5000 console server provides optimal performance, security and reliability. Combined with integrated power management and using Avocent DSView™ management software, the Avocent ACS 5000 console server offers centralized management and a secure and consolidated out-of-band management solution.

**Decreased Maintenance Costs and Enhanced Productivity**

Available in 4-, 8-, 16-, 32- and 48-port models that fit in 1U of rack space, the ACS 5000 console server helps maximize network and server availability with scalability and cost-effectiveness.

Security features such as SSH v2, RADIUS authentication, IP filtering and user access lists per port allow data center managers and system administrators the ability to remotely manage the network and servers with greater control and reliability.

Console management features such as data buffering, direct access methods to the serial ports (such as TCP port and server name) and event notification improve monitoring capabilities which allow faster problem solving and higher network uptime.

The Avocent ACS 5000 console server decreases network maintenance costs and helps maximize IT asset productivity while providing scalability, making it the right choice for secure in-band and out-of-band management for medium to large enterprise data centers.

**Applications**

- Secure console and power management
- Server and network management
- Secure access to test and development lab environments
- Legacy terminal server environments
- Industrial/commercial automation
AVOCENT® ACS 5000 ADVANCED CONSOLE SERVER

Hardware Specifications

CPU
MPC855T (PowerPC Dual-CPU)

Memory
128 MB DIMM SDRAM/128 MB compact flash
256 MB DIMM SDRAM/128 MB compact flash (ACS 5048 only)

Interfaces
1 Ethernet 10/100BT on RJ-45,
1 RS-232 console on RJ-45,
RS-232 serial ports on RJ-45

Power
Internal 100–240 VAC, 50/60 Hz,
35 W max.

Power Usage
For all ACS 5000 port models:
Power consumption nominal:
Typical 0.15A, 18W
Maximum 0.3A, 36W

Operating Temp.
50° to 112°F (–20° to 70°C)

Storage Temp.
4° to 158°F (–20° to 70°C)

Humidity
15% to 90% non-condensing

Dimensions
(W x D x H) ACS 5004, 5008,
15% to 90% non-condensing

Weight
7.7 lbs. (3.5 Kg)

Certifications
FCC Part 15A; EN55022, A (CE);
Certifications
7.7 lbs. (3.5 Kg)

Features

Operating System
• Embedded Linux

Accessibility
• In-band (Ethernet) and out-of-band
(dial-up modem) support
• Dedicated console port

Security
• SSHv1 and SSHv2
• Local, RADIUS, TACACS+, LDAP/AD
• Two-factor authentication (RSA SecurID®)
• PAP/CHAP
• Local, backup-user authentication support
• IP packet and security filtering
• User-access lists per port
• System event syslog
• Dial-up access (PPP)
• Dial-up authentication for remote access
• IP forwarding support

Console Management
• Windows Server 2003 EMS support
• Sun® break-safe (Solaris Ready certified)
• Java®-based SSH client
• Solaris Ready®; VCCI
• Local, RADIUS, TACACS+, LDAP/AD
• IP packet and security filtering
• User-access lists per port
• System event syslog
• Dial-up access (PPP)
• Dial-up authentication for remote access
• IP forwarding support

Port Access
• Directly by TCP port, IP address or
server name
• Telnet/SSH with menu
• Simultaneous Telnet and SSH access
• HTTP/HTTPS

System Management
• Configuration wizard for first-time users
• Auto-discovery for automatic deployment
• Command line access (Linux shell)
• Web management interface (HTTP/HTTPS)
• SNMP
• Centralized management using Avocent
DSView™ software

Power Management
• Power integration using Avocent® Power
Management Distribution Units (PM PDUs)
• Third-party power support using SPC power
control device
• ServerTech Switched CDU Power Strips

Cabling
• CAT-5 compatible adapters for simpler cabling

Upgrades
• Upgrades available on FTP site, no charge
• Flash upgradeable
• TFTP support for network boot

Additional Protocols Supported
• DHCP for dynamic IP address assignment
• IPv6 support for greater deployment flexibility
• PPP for dial-up
• NTP for time server synchronization
• RFC2217 support for remote serial port access

Ordering Details

<table>
<thead>
<tr>
<th>PART NUMBER</th>
<th>DESCRIPTION</th>
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<tbody>
<tr>
<td>ACS 5004-001</td>
<td>4-port ACS 5000 console server single AC power supply</td>
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<tr>
<td>ACS 5008-001</td>
<td>8-port ACS 5000 console server single AC power supply</td>
</tr>
<tr>
<td>ACS 5016-001</td>
<td>16-port ACS 5000 console server single AC power supply</td>
</tr>
<tr>
<td>ACS 5032-001</td>
<td>32-port ACS 5000 console server single AC power supply</td>
</tr>
<tr>
<td>ACS5032DAC-001</td>
<td>32-port ACS 5000 console server dual AC power supply</td>
</tr>
<tr>
<td>ACS5048-001</td>
<td>48-port ACS 5000 console server single AC power supply</td>
</tr>
<tr>
<td>ACS5048DAC-001</td>
<td>48-port ACS 5000 console server dual AC power supply</td>
</tr>
</tbody>
</table>

VertivCo.com | Vertiv Headquarters, 1050 Dearborn Drive, Columbus, OH, 43085, USA

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