The Avocent® ACS 6000 advanced console server series integrates cutting edge technologies, adaptive services and secure enterprise communications in order to offer 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 and DSView™ management software, the Avocent ACS 6000 provides optimal performance, security, reliability, and a complete out-of-band management solution.

**High-Performance Design and Advanced Features**

The Avocent ACS 6000 advanced console server series offers upgraded and advanced features that deliver scalable and high performance solutions for IT administrators. The console server features a high-speed processor platform with dual gigabit-Ethernet ports for redundancy and optional built-in modem. In addition, they feature an internal temperature sensor for device-level monitoring and configurable pin-outs for serial ports. The Avocent ACS 6000 advanced console server also offers robust software features to meet the requirements of the most demanding data center management applications. Features include automated discovery tools to ease identification of servers, routers, switches and power devices connected to any serial port, saving time at initial configuration and installation. To comply with existing data center network access policy, the Avocent ACS 6000 advanced console server provides customizable, multiple access levels for secure management.

The console servers provide a complete solution for secure, remote control with advanced console server features such as enhanced security, data logging and event monitoring. In addition, the Avocent ACS 6000 advanced console server supports next-generation network standards such as Internet Protocol version 6 (IPv6). Available in 4-, 8-, 16-, 32- and 48-port models that fit in 1U of rack space with single and dual, AC and DC power options. With or without modem, the ACS 6000 console server helps maximize IT asset productivity while providing scalability and reducing operational costs.

**Applications**

- Secure console and power management
- Server and network management
- Secure access to test and development lab environments
- Telco central office and remote facilities
AVOCENT® ACS 6000 ADVANCED CONSOLE SERVER

Hardware Specifications

CPU
PPC440EPx @ 533 MHz (PowerPC with Security Acceleration Engine)

Memory
128 MB NAND flash (embedded ICs on motherboard); 256 MB DDR-2 memory (embedded ICs on motherboard)

Interfaces
2 Gigabit (10/100/1000BT) Ethernet interfaces on RJ-45; 1 RS-232 serial console port on RJ-45; 1 AUX RS232 port on RJ-45 OR internal modem V.92 port on RJ-45 (RJ11 compatible); RS232 ports on RJ-45; 1 USB 2.0 Host on Type A connector

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 0.17A, 20W; Maximum 0.25A, 30W
Nominal voltage 230VAC: Typical 0.1A, 23W; Maximum 0.15A, 35W
Nominal voltage -48VDC (20% tolerance); Typical 0.5A

Storage Temp.
~0°F to 158°F (~20°F to 70°C)

Humidity
20% to 80% noncondensing

Non-Operating Humidity
5% to 80% relative humidity

Demensions (W x D x H)
17.250 x 9.5 D x 1.75 in.
(43.82 x 24.13 x 4.45 cm)

Weight
6.6 lbs

Certifications
Emissions and Immunity:
FCC Class B; CE Class A (EU); ICES-003 (Canada); VCCI (Japan); C-Tick (Australia); Custom Union (CU)
Safety:
UL; cUL (Canada); EN-60950 (EU); CB; Custom Union (CU)
In addition, the following certifications for specific models: KCC (Korea)*
* Only specific models are certified to the above certifications

Features
Operating System
- Embedded Linux

Accessibility
- Zero Touch Provisioning (ZTP)
- In-band (Ethernet) and out-of-band (dial-up modem) support
- Built-in modem connectivity
- Allows for alternative access interfaces, such as modem (v.92) or 4G through USB device

Availability
- Automatic Ethernet failover using second gigabit Ethernet port as the secondary port
- Dual power supply
- Internal modem support
- USB port support for modems, fiber and storage

System Management
- Configuration wizard in Web for first-time users
- Auto-discovery for automatic deployment
- Command line interface (CLI)
- Web Management Interface (HTTP/HTTPS)
- SNMP
- Internal temperature sensor

Cabling
- CAT-5 compatible adapters for simpler cabling*
- Configurable Cyclades and Cisco pin-outs for serial interfaces

Upgrades
- Updates available on FTP site, no charge
- TFTP support for network boot

Ordering Details
AC Power Supply Models

<table>
<thead>
<tr>
<th>AC MODELS</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACS6004SAC-G2</td>
<td>ACS 6000 4-port unit single AC power supply</td>
</tr>
<tr>
<td>ACS6004DAC-G2</td>
<td>ACS 6000 4-port unit dual AC power supply</td>
</tr>
<tr>
<td>ACS6004MDAC-G2</td>
<td>ACS 6000 4-port unit dual AC power supply with built-in modem</td>
</tr>
</tbody>
</table>

Security
- The FIPS mode of operation uses an embedded FIPS 140-2 certified OpenSSL cryptographic module (Certificate #1051)
- Preset security profiles—secure, moderate and open
- Custom security profiles
- X.509 SSH certificate support
- SSHv1 and SSHv2
- Local, RADIUS, TACACS+, LDAP/AD, NIS and Kerberos authentication
- Two-factor authentication (RSA SecurID®)
- One-Time Password (OTP) authentication
- Local, backup-user authentication support
- PAP/CHAP and Extensible Authentication Protocol (EAP) authentication (for dial-up lines)
- Group authorization:
  - TACACS+, RADIUS and LDAP, Port access;
  - Power access; Appliance privilege
- IP packet and security filtering
- User-access lists per port
- System event syslog
- IPSec with NAT traversal support
- IP forwarding support
- Secure factory defaults
- Strong password enforcement

DC Power Supply Models

<table>
<thead>
<tr>
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</thead>
<tbody>
<tr>
<td>ACS6008SAC-G2</td>
<td>ACS 6000 4-port unit single AC power supply</td>
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<tr>
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<td>ACS 6000 4-port unit dual AC power supply</td>
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