Avocent Data Sheet

ACS Advanced Console Server

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A Complete Console Management Solution

ACS advanced console servers enable IT professionals and network operations center (NOC) personnel to perform secure, remote data center management of IT assets from anywhere in the world. Using a hardened Linux® operating system, ACS console servers provide optimal performance, security and reliability. When deployed with DSView® 3 management software, ACS console servers offer enterprise and telecommunications environments a complete, centralized management solution.

For seamless power control of managed IT devices, ACS console servers easily integrate with Avocent Power Management Distribution Units (PM PDUs) and selected third-party power products. Supported power products may be centrally managed through DSView 3 management software.

Enhanced Security Framework

ACS console servers offer the industry's first enhanced security framework that provides preset security profiles (secure, moderate and open) and the flexibility for IT managers to customize security profiles in order to comply with existing network security policies. In addition, ACS console servers offer strong authentication technology with one-time password (OTP) and Extensible Authentication Protocol (EAP), two features that ensure only authorized users gain access to enterprise resources.

Available in 1-, 4-, 8-, 16-, 32- and 48-port models that fit in 1U of rack space, ACS console servers help maximize IT asset productivity while providing scalability and reducing operational costs.

Applications

- Secure console and power management
- Server and network management
- Telco central office remote console management
- Legacy terminal server environments
- Industrial/commercial automation

Benefits

- Industry-leading enhanced security framework- Adherance to security policies using preset and custom security profiles
- Centralized administration- Using DSView 3 management software
- Use with DSView 3 software Power Manager plug-in- Enables monitoring and measuring of energy consumption and simplifies power and cooling capacity planning
- Highly available- Dual power supply and Ethernet failover
- Secure in-band and out-of-band network remote management
- Rock-solid stability- Linux inside and NEBS Level 3 certified
- Power management- Integrated multi-outlet power control with third-party power support
- Integrates into a variety of customer environments- Supports port densities from 1 to 48, clustering and single or dual power supply (100-220 VAC or -48 VDC)
- Windows Server 2003 EMS support
- IPMI power management
- PC card support- Flexibility to support existing and future interfaces

EMERSON Network Power

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 48 console server only)
Interfaces	1 Ethernet 10/100BT on RJ-45, 1 RS-232 console on RJ-45, RS-232 serial ports on RJ-45
PC Card Slots Supporting	Secondary Ethernet, fast Ethernet (fiber optic), wireless LAN (GSM, GPRS and CDMA), V.92 and ISDN modems, compact flash, IDE drive
Power	Internal 100–240 VAC, 50/60 Hz Optional –48 VDC power supply Optional dual entry, redundant AC and DC power supplies
Power Usage	ACS 4 console server (16 W @ 120 VAC, 25 W @ 230 VAC) ACS 8 console server (18 W @ 120 VAC, 28 W @ 230 VAC) ACS 16 console server (22 W @ 120 VAC, 30 W @ 230 VAC) ACS 32 console server (24 W @ 120 VAC, 32 W @ 230 VAC) ACS 48 console server (26 W @ 120 VAC, 35 W @ 230 VAC)
Operating Temperature	50° to 112°F (10° to 44°C)
Storage Temperature	–40° to 185°F (–40° to 85°C)
Humidity	5% to 90% noncondensing
Dimensions	(W x D x H) 17 x 8.5 x 1.75 in. (43.18 x 21.59 x 4.45 cm) 6.3 x 4.0 x 1.5 in. (16 x 10 x 3.8 cm) ACS 1 only
Weight	**Single power / Dual power** ACS 1 console server: 1.5 lbs. (0.68 kg) / NA ACS 4 console server: 6.3 lbs. (2.86 kg) / 6.5 lbs. (2.95 kg) ACS 8 console server: 6.3 lbs. (2.86 kg) / 6.6 lbs. (2.99 kg) ACS 16 console server: 6.4 lbs. (2.90 kg) / 6.7 lbs. (3.04 kg) ACS 32 console server: 6.5 lbs. (2.95 kg) / 6.9 lbs. (3.13 kg) ACS 48 console server: 7.9 lbs. (3.58 kg) / 8.1 lbs. (3.67 kg)
Certifications *	FCC Part 15A; EN55022, A (CE); EN55024; NEBS Level 3†; UL/cUL; TUV/GS; Japan VCCI V3/2003.4; BSMI; CB Scheme (IEC 60950); MIC; S-Mark; ICES-03; C-Tick; Solaris Ready® **Varies by ACS console server model* *†ACS 16 and ACS 32 DC (single and dual power supply) console server models*

ORDERING DETAILS

PART NUMBER	MODEL	DESCRIPTION
ATP0001-XXX	ACS 1	Single power supply, AC model
ATP0170-XXX	ACS 4	Single power supply, AC model
ATP0175	ACS 4	Single power supply, DC model
ATP0180-XXX	ACS 4	Dual power supply, AC model
ATP0185	ACS 4	Dual power supply, DC model
ATP0120-XXX	ACS 8	Single power supply, AC model
ATP0125	ACS 8	Single power supply, DC model
ATP0130-XXX	ACS 8	Dual power supply, AC model
ATP0135	ACS 8	Dual power supply, DC model
ATP0010-XXX	ACS 16	Single power supply, AC model
ATP0015	ACS 16	Single power supply, DC model
ATP0050-XXX	ACS 16	Dual power supply, AC model
ATP0055	ACS 16	Dual power supply, DC model
ATP0100-XXX	ACS 32	Single power supply, AC model
ATP0105	ACS 32	Single power supply, DC model
ATP0150-XXX	ACS 32	Dual power supply, AC model
ATP0155	ACS 32	Dual power supply, DC model
ATP0190-XXX	ACS 48	Single power supply, AC model
ATP0210	ACS 48	Single power supply, DC model
ATP0200-XXX	ACS 48	Dual power supply, AC model
ATP0205	ACS 48	Dual power supply, DC model
NEBS-CERTIFIED MODELS		
ATP0017	ACS 16 NEBS	Single power supply, DC model
ATP0056	ACS 16 NEBS	Dual power supply, DC model
ATP0107	ACS 32 NEBS	Single power supply, DC model
ATP0156	ACS 32 NEBS	Dual power supply, DC model

For country-specific availability, please contact an Avocent representative.

Features

Operating System
- Linux

Accessibility
- In-band (Ethernet) and out-of-band (dial-up modem) support
- PC card slots support allows for alternative access interfaces, such as modem (v.92 and ISDN), Ethernet, fast Ethernet (fiber optic) and wireless Ethernet (GSM, GPRS and CDMA)
- IPv6 support

Availability
- Automatic Ethernet failover using Ethernet PC card as the secondary port
- Dual power supply

Security
- Preset security profiles (secure, moderate, open) and custom profiles
- Custom security profile
- X.509 SSH certificate support
- SSHv1 and SSHv2
- Local, RADIUS, TACACS+, LDAP, 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 – RADIUS, LDAP and TACACS+ (including per port authorizations)
- User-access lists per port
- System event syslog
- IPSec with NAT traversal support
- IP forwarding support
- Secure factory defaults

Console Management
- Windows® 2003 Server EMS support
- Sun™ break-safe (Solaris Ready™ certified)
- Break-over SSH support
- Off-line data buffering with time stamp – local or remote (NFS/syslog)
- Level-based syslog filters
- Time stamp for data buffering
- Multiple, simultaneous sessions
- Simultaneous access on the same port (port sniffing)
- Clustering for up to 1,024 devices (central access to multiple console servers)
- Event notification (e-mail, pager, SNMP trap)
- Global time zone support with flexible daylight saving time configuration

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

Power Management
- Third-party power support
- PDU auto detection and status polling
- Dynamic PDU identification
- Power outlet groups
- Outlet-user access list

System Management
- Configuration wizard for first time users
- Command line interface (Linux shell)
- Web Management Interface (HTTP/HTTPS)
- SNMP (v1, 2 and 3)
- Auto discovery

Cabling
- CAT-5 compatible adapters for simpler cabling†

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

Additional Protocols Supported
- DHCP for dynamic IP address assignment
- PPP/SLIP for dial-up
- NTP for time server synchronization
- RFC2217 support for remote serial port access

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