Cyclades® ACS
Advanced Console Server

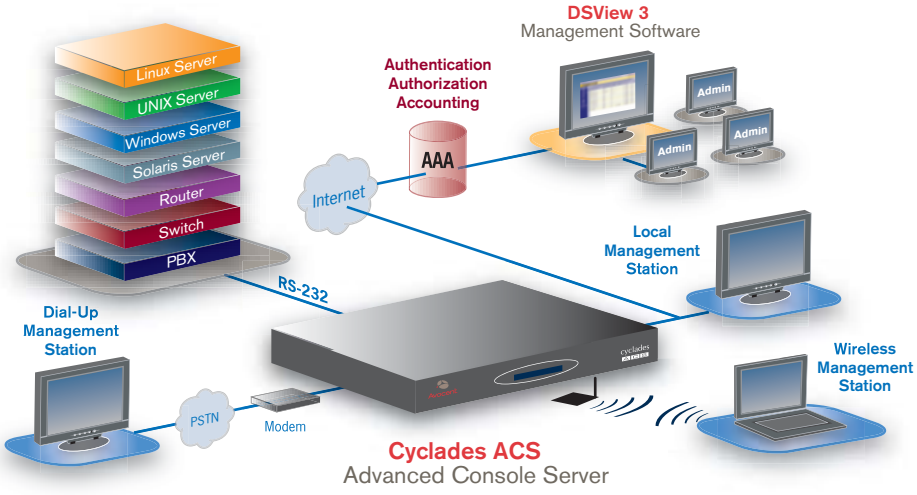
A Complete Console Management Solution for Remote Administration of Branch Offices

Cyclades® ACS advanced console servers give 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, Cyclades ACS console server provides optimal performance, security and reliability. When used in conjunction with Cyclades PM intelligent power distribution unit (IPDU) and DSView® 3 management software, Cyclades ACS console server offers a secure and consolidated out-of-band management solution.

Enhanced Security Framework

Cyclades 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 to comply with existing network security policies. In addition, Cyclades 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 4- and 8-port models that fit in 1U of rack space, Cyclades ACS console server helps 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
- Ethernet-attached serial board replacement

Benefits

- Industry-leading Enhanced Security Framework (adherence to security policies using preset and custom security profiles)
- Centralized administration (using DSView 3 management software)
- Highly available (dual power supply and Ethernet failover)
- Secure in-band and out-of-band network remote management
- Rock-solid stability (Linux inside)
- Power management (integrated multioutlet power control)
- Rack space savings (1U form factor)
- Windows® Server 2003 EMS support
- Improved network monitoring
- IPMI power management
- Flexibility to support existing and future interfaces (PC card support)

Hardware Specifications

CPU: MPC855T (PowerPC dual CPU)

Memory: 128 MB DIMM SDRAM/128 MB compact flash

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: ACS4 (16 W @ 120 VAC, 25 W @ 230 VAC)
ACS8 (18 W @ 120 VAC, 28 W @ 230 VAC)

Operating Temperature: 50°F to 112°F (10°C to 44°C)

Storage Temperature: –40°F to 185°F (–40°C to 85°C)

Humidity: 5% to 90% noncondensing

Dimensions:
(WxDxH) 17 x 8.5 x 1.75 in.
(43.18 x 21.59 x 4.45 cm)

Weight:

	Single power	Dual power
ACS4	6.3 lb (2.86 kg)	6.5 lb (2.95 kg)
ACS8	6.3 lb (2.86 kg)	6.6 lb (2.99 kg)

Certifications*: FCC Part 15A
EN55022, A (CE)
EN55024
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 model.*

Part Number	Model	Description
ATP0170-001	ACS4	Single power supply, AC model
ATP0175	ACS4	Single power supply, DC model
ATP0180-001	ACS4	Dual power supply, AC model
ATP0185	ACS4	Dual power supply, DC model
ATP0120-001	ACS8	Single power supply, AC model
ATP0125	ACS8	Single power supply, DC model
ATP0130-001	ACS8	Dual power supply, AC model
ATP0135	ACS8	Dual power supply, DC model

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)

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

Security
- Preset security profiles – secure, moderate and open
- 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 – TACACS+, RADIUS and LDAP
- IP packet and security filtering
- User access lists per port
- System event syslog
- IPSec with NAT traversal support
- IP forwarding support
- Secure factory defaults
- Secure clustering for up to 1,024 devices

Console Management
- Windows Server 2003 EMS support
- Sun break-safe (Solaris Ready™ Certified)
- Break-over SSH support
- Offline data buffering – local or remote (NFS/Syslog)
- Level-based syslog filters
- Time stamp for data buffering
- Unlimited number of simultaneous sessions
- Simultaneous access on the same port (port sniffing)
- Clustering (central access to multiple console servers)
- Event notification (e-mail, pager, SNMP trap)
- Global time zone support

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

System Management
- Configuration wizard for first time users
- Command line interface (Linux shell)
- Web Management Interface (HTTP/HTTPS)
- SNMP

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

Avocent
The Power of Being There®

1206-ACS-DS