

## Cyclades ACS 5000 Series

### Advanced Console Server



#### A Complete Console Management Solution

Cyclades® ACS 5000 series of advanced console servers 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, Cyclades ACS 5000 console servers provide optimal performance, security and reliability. Combined with integrated Power Management and using DSView® 3 management software, Cyclades ACS 5000 console servers offer centralized management and a secure and consolidated out-of-band management solution.

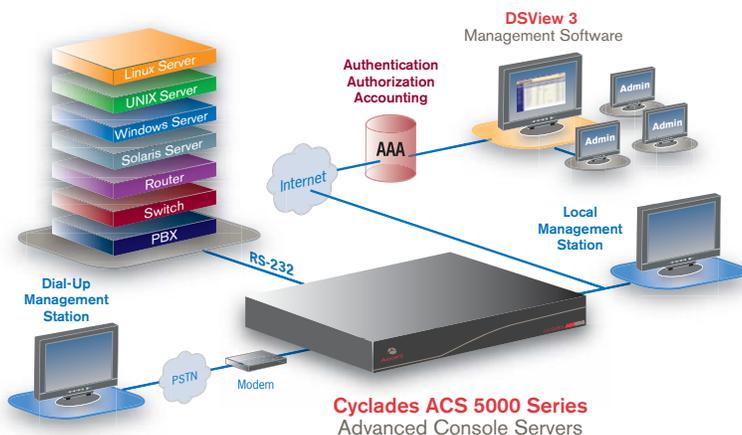
#### Decreased Maintenance Costs and Enhanced Productivity

Available in 4-, 8-, 16-, 32- and 48-port models that fit in 1U of rack space, Cyclades ACS 5000 console servers help to 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 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, allowing faster problem solving actions and higher network uptime.

Cyclades ACS 5000 console servers decrease 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

#### Benefits

- Secure in-band and out-of-band network remote management
- Integrated centralized administration – using DSView 3 management software
- Regulatory compliance and easy trouble shooting – online and offline data logging with time stamps
- Power management – integrated power control
- Easy Configuration and installation - Auto Discovery of Host Names
- Windows® Server 2003 Emergency Management Services (EMS) support
- Clustering – central access to multiple console servers
- Improved network monitoring
- Rack space savings –1U form factor

## Hardware Specifications

|                               |   |
|-------------------------------|---|
| <b>CPU:</b>                   | MPC855T (PowerPC Dual-CPU)  |
| <b>Memory:</b>                | 128 MB DIMM SDRAM/128 MB compact flash<br>256 MB DIMM SDRAM/128 MB compact flash (ACS5048 only)   |
| <b>Interfaces:</b>            | 1 Ethernet 10/100BT on RJ-45, 1 RS-232 console on RJ-45,<br>RS-232 serial ports on RJ-45  |
| <b>Power:</b>                 | Internal 100–240 VAC, 50/60 Hz, 35 W max.   |
| <b>Power Usage:</b>           | for all ACS 5000 port models:<br>Power Consumption Nominal voltage 100-240VAC:<br>Typical 0.15A, 18W<br>Maximum 0.5A, 56W   |
| <b>Operating Temperature:</b> | 50°F to 112°F (10°C to 44°C)  |
| <b>Storage Temperature:</b>   | 4°F to 158°F (–20°C to 70°C)  |
| <b>Humidity:</b>              | 15% to 90% non-condensing   |
| <b>Dimensions:</b>            | (WxDxH) ACS 5004, 5008, 5016, 5032, 5048<br>17.05 x 8.85 D x 1.70 in. (435mm x 225mm x 43mm)  |
| <b>Weight:</b>                | 7.7 lbs. (3.5 Kg)   |
| <b>Certifications:</b>        | FCC Part 15A<br>EN55022, A (CE)<br>EN55024 (CE)<br>ICES-05<br>C-Tick<br>Solaris Ready™<br>VCCI<br><br>In addition, the following certifications for specific models.<br>• GOSTR (Russia)*<br>• MIC (Korea)*<br><br><i>* Only specific models are certified to the above certifications.</i> |

## 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 control lists per port
- System event syslog
- Dial up access (PPP)
- Dial up authentication for remote access
- IP forwarding support

### Console Management

- Windows Server 2005 EMS support
- Sun break-safe (Solaris Ready Certified)
- Java™ based SSH client
- Offline data buffering – local or remote (NFS/Syslog)
- Level-based syslog filters
- Time stamp and rotations for data buffering
- Unlimited number of simultaneous sessions
- Simultaneous access on the same port (port sniffing) with ability to toggle
- Clustering (central access to multiple console servers)
- Event notification (e-mail, pager, SNMP trap)
- Global time zone support
- Multiple and customizable user levels of access

### 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 DSView 3 software

### Power Management

- Power Integration using Cyclades PM
- Third-party power support using SPC
- ServerTech Switched CDU Power Strips

### Cabling

- CAT5 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
- PPP/SLIP for dial-up
- NTP for time server synchronization
- RFC2217 support for remote serial port access

| Part Number | Model    | Description          |
|-------------|----------|----------------------|
| ACS 5004    | Cyclades | 4 Port ACS 5000 SAC  |
| ACS 5008    | Cyclades | 8 Port ACS 5000 SAC  |
| ACS 5016    | Cyclades | 16 Port ACS 5000 SAC |
| ACS 5032    | Cyclades | 32 Port ACS 5000 SAC |
| ACS 5048    | Cyclades | 48 Port ACS 5000 SAC |



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