Cyclades® OnBoard

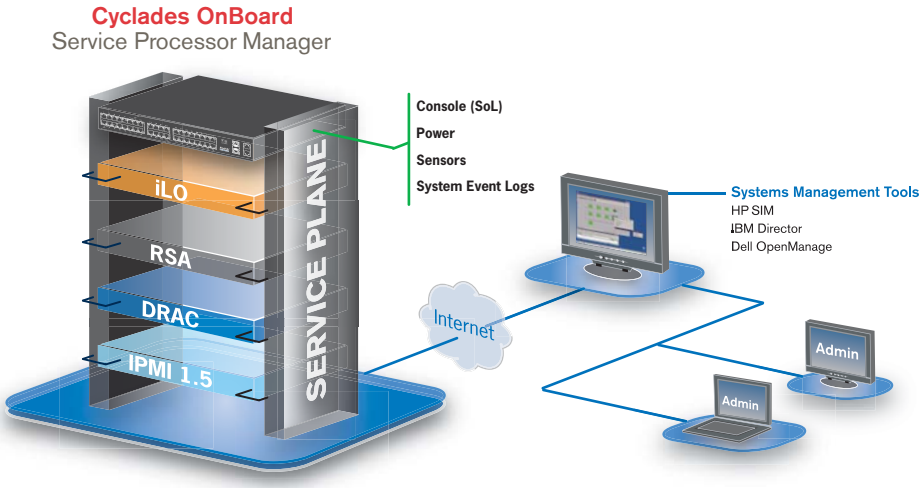
Service Processor Manager

Innovative Solution for Service Processor Management

Cyclades® OnBoard service processor manager simplifies out-of-band management of next-generation servers with service processor technologies by consolidating IP connections, user access and server health information. With multiple Ethernet ports, Cyclades OnBoard appliance connects point-to-point with Ethernet-based service processors such as HP iLO, IPMI, Dell DRAC, IBM® RSA. By consolidating service processor Ethernet ports, Cyclades OnBoard service processor manager requires only one external IP address for all connected devices, reducing provisioning costs associated with service processors. Cyclades OnBoard appliance reduces costs further by routing service processor traffic through the less expensive out-of-band network, eliminating the use of switch ports on the production network.

Cyclades OnBoard service processor manager delivers Secure Rack Management™ (SRM™ - patent pending) by isolating and protecting the connected service processors from the external production network to provide efficient, rack-level management with seamless integration into the out-of-band infrastructure. Cyclades OnBoard appliance allows enterprise- class authentication, authorization and auditing (AAA) security and encryption, and extends this functionality to all servers. Other standard features include data logging, event detection and notification, SNMP proxy, graphing and alarms for sensors and shared access to management ports.

Cyclades OnBoard service processor manager provides an easy-to use, consolidated interface for out-of-band management of servers from multiple vendors by abstracting the native service processor interface for configuration, Serial over LAN (SoL) and power control. Server administrators need only learn one simple interface.



Applications

- Manage HP iLO, IBM RSA, Dell DRAC, IPMI, and others from a single user interface
- Centralize authentication, logging, health monitoring and control of servers
- Provide the security needed to effectively manage service processors remotely

Benefits

- Reduce the cost of deploying, monitoring and troubleshooting servers by reducing the number of IP addresses and Ethernet switch ports required for service processors
- Decrease the time to access, monitor and control servers by using a single login and user interface
- Eliminate security concerns associated with remote management of service processors
- Restrict user access to specific service processor features: power, sensors, console, Web

Hardware Specifications

CPU: Freescale Power QUICC III @ 633 MHz

Memory: 256 MB DDRAM/128 MB compact flash

Interfaces: 40/24 Ethernet 10/100BT on RJ-45
1 RS-232 console on RJ-45
1 RS-232 DTE on RJ-45 for power manager or external modem
1 10/100/1000BT Ethernet on RJ-45 for primary user connections
1 10/100BT Ethernet on RJ-45 for user connections or failover from primary

Dual 32/16 bit PC Card Slots Supporting: Secondary Ethernet , wireless Ethernet, dial-up modem, GSM, fiber optic, CDMA, GPRS , ISDN, data storage

Power: Universal AC, single or dual 100–240 VAC, 50/60 Hz, 1.4 A max. dual DC, 36–75 VDC, max. input current 5 A

Operating Temperature: 50°F to 122°F (10° to 50°C)

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

Humidity: 5% to 90% noncondensing

Dimensions:
(WxDxH) 17 x 12 x 1.75 in.
(43.18 x 30 x 4.45 cm)

Weight: 9 lb (4 kg)

Enclosure: Steel

Certifications: FCC Part 15 Class A
CE: EN55022 Class A and EN55024 Class A
CSA
C-Tick
ICES-T03

Part Number	Model	Description
ATP8124	OnBoard 1024 SAC	24-port service processor manager, single AC power
ATP8140	OnBoard 1040 SAC	40-port service processor manager, single AC power
ATP8224	OnBoard 1024 DAC	24-port service processor manager, dual AC power
ATP8240	OnBoard 1040 DAC	40-port service processor manager, dual AC power
ATP8424	OnBoard 1024 DDC	24-port service processor manager, dual DC power
ATP8440	OnBoard 1040 DDC	40-port service processor manager, dual DC power

Features

Operating System
- Linux®

Security
- SSHv1 and SSHv2
- Local, RADIUS, TACACS+, LDAP, NIS, Active Directory, SMB and Kerberos authentication
- Token-based strong authentication (RSA SecurID)
- Local fallback user authentication (remote failure)
- Group authorization from authentication servers
- System event logs
- VPN through PPTP or IPSec

User Interface
- Web Management Interface (HTTP/HTTPS)
- Configuration wizard for first time Web users
- Command line interface (Linux Shell)
- SSH commands for multi-vendor device management
- SNMP proxy
- Security profiles for quick settings of the security features
- NTP for time server synchronization
- Optional integrated power management with Cyclades PM IPDU
- Supports service processor management software from most server vendors

Service Processor Management
- Simultaneous access to the same service processor
- Serial console over LAN
- Restricted user access to power, sensors, console, event logs or native Web
- DHCP for dynamic IP address assignment
- Ability to define custom profiles for unsupported service processors

Upgrades
- Upgrades available on FTP site
- Flash upgradeable
- TFTP support for network boot

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LAN TEK
P.O. Box 549, Yucca Valley, CA 92286
TEL 800.660.2286 FAX 760.364.4997
www.lan-tek.net Email: lantek@earthlink.net

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