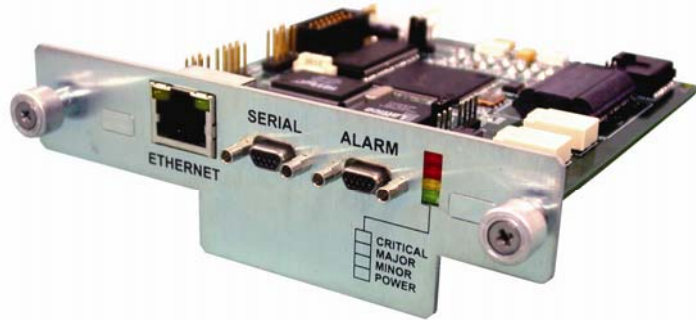




ALERT!NODE



Smart Node Alarm

NEBS®-compliant

Out-of-Band

High Availability

Pinnacle's management system is certified to:

ISO 9001:2000
ISO 14001:2004
ISO 13485
TL9000

OVERVIEW

The Alert!Node: Smart Node Alarm Card serves as the Chassis Management Controller (ChMC) for the PDSi ComputeNode family of CompactPCI systems. Accessible through the rear of the chassis, it incorporates a Baseboard Management Controller (BMC) to monitor and control devices, as well as monitors the power and cooling subsystems. Remote connectivity is provided through either an RS-232 serial console or Ethernet supporting Telnet. The Alert!Node also provides local alarm indications: critical/major/minor LED indicators and dry relay contact closures.

Designed as a hot-swappable alarm card, the Alert!Node does not occupy a CompactPCI slot, front or rear. Because it is a passive out-of-band management entity, it will not affect system operation if it fails, allowing it to be safely replaced in a live system.





Key Differentiators

- Out-of-band management
- Chassis Management Controller
- Remote connectivity through RS-232 and Ethernet
- Hot-swappable and rear accessible
- Does not require a CompactPCI slot

System Monitoring

- Input feed detect
- CompactPCI voltage monitoring
- Power supply detect
- Fan detect
- Temperature sensor
- Device monitoring and control
- User configurable event control

Protocol Support

- Telnet, DHCP

Board Characteristics

Processor 40MHz 32-bit ARM core
NV Memory 64KB EEPROM for parameters

User Interface

Ethernet 10BaseT Ethernet port
Serial Port RS-232 asynchronous, 115.2k baud with modem control
Dry Contact 3 SPDT (normally closed or normally open)
 1A @ 30VDC
Connectors 1x µDB-9 serial port
 1x RJ45 Ethernet port
 3x dry contacts via µDB-9
LEDs Critical/Major/Minor
 Power
 Booting, Shutdown
 User Application
 Dark office configurable

Power Requirements

- +5V @ 1.5A max
- +3.3V @ 0.80A max

Mechanical Specifications

Board Length 102 mm (4.02 in.)
Board Width 113 mm (4.45 in.)

Environmental Specifications

Temperature Range Operating: 0°C to 50°C
 Non-operating: -40°C to 70°C
Relative Humidity Operating: 5-95% R.H., non-condensing
 Non-operating: 5-95% R.H.
Altitude Operating: 60m below sea level to 4000m above sea level
 Non-operating: 60m below sea level to 12,190m above sea level
 UL94-V0

Flammability Rating

Regulations

Certification-Standard FCC Class A (AC/DC)
 cUL 60950
Certification-Optional NEBS, ETSI, CE, TUV, VCI,
 CSA & others

Warranty & Service

Standard Warranty One year parts and labor



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