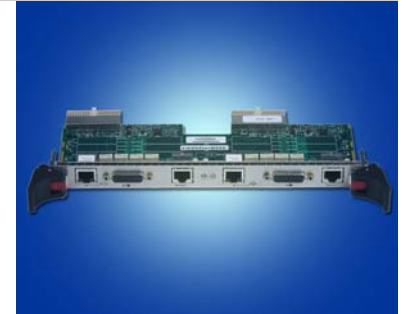


### Highlights

- >> Supports Single or Two Redundant IPMI-Based Intelligent Shelf Managers
  
- >> Rear Panel Includes Two Sets of I/O for Two ISMs:
  - Out-of-Band Ethernet Port
  - DB-15 Telecom Alarm
  - RJ-45 Serial COM Port
  
- >> Provides ISM-to-ISM Out-of-Band Ethernet Link, Eliminating Dependence on Fabric Boards for Redundant ISM Synchronization



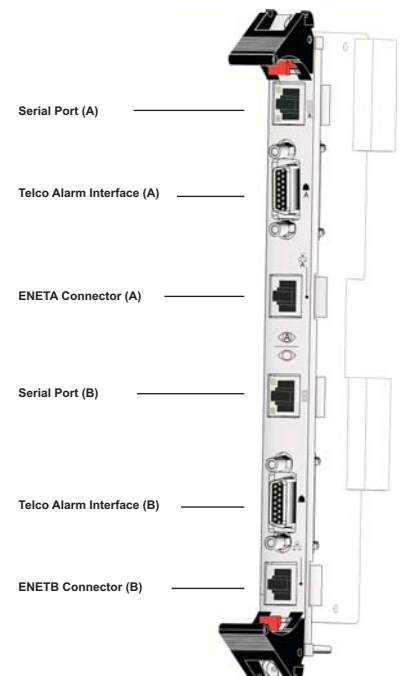
This single slot, 6U module provides rear panel access to the I/O functions of one or two CPC7301 Intelligent Shelf Managers (ISMs) with capability to support out-of-band networking directly between the two ISMs. The RTM4820 is compatible with Performance Technologies' line of 12U and 7U Advanced Managed Platforms™.

The RTM4820 routes cabling out the back of a system for a redundant pair of ISMs. For each ISM, it provides access to the out-of-band Ethernet, the DB15 telecom alarm connector and the RJ-45 COM port. It allows for system troubleshooting and servicing without disrupting the active ISM, which enhances the reliability and availability of the system, particularly while running diagnostics and conducting maintenance.

The ISM-to-ISM link allows redundant ISMs to synchronize state information without relying on connectivity to network switches. The ISMs can synchronize relevant information, such as event logs and specific settings, and provide watchdog services for fast failovers in case the active ISM fails.

Each ISM has three Ethernet ports:

- In-band link to the CPSB fabric in the chassis.
- Out-of-band link routable through the front panel or out the Rear Transition Module.
- Out-of-band link that connects redundant ISMs together. (This Ethernet port option is available with the use of the RTM4820.)





# RTM4820

## Technical Specifications

### Ordering Information

>> PT-RTM4820-11973

### Regulatory Compliance (Pending)

#### Safety

- UL/cUL 60950 Safety for Information
- UL File Number E179737
- IEC 60950 Safety for Information Technology Equipment
- CB Certificate and Report
- CE Certificate

#### Emissions Tests Regulations

- FCC, Class B
- EN 55022/CISPR22 Class B Radiated and Conducted Emissions Tests
- EN 55025/CISPER 24
- EN-61000-3-2 Power Line Harmonic Emissions
- EN-61000-3-3 Power Line Fluctuation and Flicker
- EN-61000-4-2 Electro-Static Discharge (ESD)
- EN-61000-4-3 Radiated Susceptibility
- EN-61000-4-4 Electrical Fast Transient Burst
- EN-61000-4-5 Power Line Surge
- EN-61000-4-6 Frequency Magnetic Fields
- EN-61000-4-11 Voltage Dips, Variations and Short Interruptions

### NEBS Requirements

- GR-1089-CORE
  - Sect. 2 Electrical Discharge
  - Sect. 3.2.2 Radiated RF Emissions
  - Sect. 3.2.3 AC Line Conducted Emissions-Voltage
  - Sect. 3.2.4 AC & DC Line Conducted Emissions-Current
  - Sect. 3.3.1 RF Radiated Fields
  - Sect. 3.3.3 RF Common Mode
- GR-63-CORE
  - Sect. 5.1.1.1 Low-Temperature Exposure and Thermal Shock
  - Sect. 5.1.1.2 High-Temperature Exposure and Thermal Shock
  - Sect. 5.1.1.3 High Relative Humidity Exposure
  - Sect. 5.3.1 Handling Drop Tests - Packaged Equipment
  - Sect. 5.3.2 Unpackaged Equipment Drop Tests
  - Sect. 5.4.1 Earthquake Tests
  - Sect. 5.4.2 Office Vibration Test Procedure
  - Sect. 5.4.3 Transportation Vibration - Packaged Equipment
  - Sect. 5.6 Acoustic Noise Test

### Warranty

- One year.



### Contact Information

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