



FEATURES

- 2nd generation shelf manager
- 2.5U x 280mm deep, slim design
- Bussed IPMI hot swappable design
- Incorporates Pigeon Point ShMM-500 module
- Dual IPMB, Serial (RS-232, and Dual Ethernet 10/100 interfaces)
- USB interface to facilitate shelf redundancy
- Incorporates JTAG interface
- Provides Telco alarm requirements
- Redundant operation with automatic switchover
- Monitors up to 12 Tach signals, 8 Fan Present signals, and 6 Air Filter Present signals
- Controls 4 Pulse Width Modulation signals (each signal can control from 1-4 fans) and up to 4 cooling zones
- Monitors up to 8 LM75 temperature sensors and up to 4 Power Entry Modules
- Fully RoHS compliant

SOFTWARE FEATURES

- Conforms to PICMG 3.0 & PICMG 2.9 Specifications
- Monitors activities within the shelf via the Intelligent Platform (through redundant IPMB for PICMG 3.0)
- Accepts and logs events posted by any intelligent FRU in the shelf (reflecting exceptions in temperatures, voltages, etc.); posts alerts outside the shelf based on configurable IPMI Platform Event Filters
- Supports hot swapping of Field Replicable Units (FRU's), while maintaining full management visibility
- Interfaces to standard "Telco Alarm" infrastructures, via dry contact relays
- Supports redundant Shelf Manager instances for high availability
- Integrates a watchdog timer, which resets the Shelf Manager if not periodically strobed; such resets automatically trigger a switchover to the backup Shelf Manager, if the shelf is configured with 2 managers.
- Implements rich set of shelf-external interfaces accessible over Ethernet including remote Management Control Protocol (RMCP, required by PICMG 3.0) command line, web browser and Simple Network Management Protocol (SNMP)

The Elma ATCA Shelf Manager is a 2nd generation design. It incorporates bussed or quasi-radial* IPMB signals. The 280mm depth allows the unit to plug directly into a backplane. A slimline design allows single or dual shelf managers to be used while taking up minimal space. Further, dual shelf managers can be plugged into slot 0 of an Elma chassis, without taking up any of the 14-slots in a 19" rack.

*Elma's radial IPMB signals are radially connected across the backplane to the Shelf Manager Carrier Card. The ShMM-500 IPM module resides on the carrier card where these connections are bussed.

Order Information

Description	Model Number
ATCA ShMM-500, 280mm Board	CAE018540