



FEATURES

- 2.5U x 280mm x 18.5mm wide hotswap board
- Designed to meet PICMG 3.0 Specifications
- Incorporates Pigeon Point IPM Sentry
- Monitors up to 12 fans with four PWM outputs and up to 8 LM75 thermal sensors
- Monitors all IPMI version 1.5 compliant FRUs
- Shelf FRU information may be stored on ShMM-500 or external SEEPROM(s)
- External I²C interfaces for monitoring power supplies, power entry modules, etc.
- Provide E-Keying management for ATCA systems
- Provides 10/100 Mbit Ethernet (RJ45) and Telco Alarm and RS-232 combined into micro DB25 connector on the front panel
- Telco alarm LEDs and cutoff switch provided on the front panel
- Real-time clock to time-stamp System Event Log entries, backed by onboard battery
- Supports dual redundant IPMBs

SOFTWARE FEATURES

- Conforms to PICMG 3.0 Specifications
- Monitors activities within the shelf via the Intelligent Platform Management Bus (IPMB)
- 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 Systems
- 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 two Shelf Managers.
- Implements a 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 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.

Order Information

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