KEY FEATURES

- Form, fit and functionally compatible to the Intel® MPCMM0002 Module
- 5W max power
- 32-bit RISC processor @ 180 MHz
- 64 MB of SDRAM and 128 MB of flash
- Dual 10/100 Ethernet ports
- RS-232 Debug port
- Linux release 2.6.15
- Field upgradable with dual boot flash
- IPMI 2.0 compliant
- Telco alarms
- Isolated DC/DC converter
- Active/standby redundancy when utilizing two VT008s in system
- Rich set of Management software (refer to the VT001 specification for all software components) such as HPI, RMCP, SNMP, CLI, HTTP, etc.
- VT008 can run as an IPMI protocol analyzer to monitor all the 40+ I²C busses

The VadaTech VT008 Shelf Manager is form, fit and functionally compatible to the Intel® Model MPCMM0002. The VT008 is a 5W module. The VT008 can also run as a protocol analyzer to monitor, inject, capture and validate I²C traffic on the Intelligent Platform Management Bus (IPMB) on all the radial busses. A Graphical User Interface (GUI) validates and displays the IPMI packets or schedules IPMI messages for injection into the shelf. The GUI application communicates with the VT008 through the Ethernet port.

The VT008 has true radial bussing with dual FPGAs for redundancy. Each IPMI bus has a 64-byte FIFO to allow for a full IPMI packet on each I²C bus so there is no packet loss during operation.

When two VT008s are in the system, they operate in redundant active/standby mode. During operation one VT008 is active while the second one is synchronized in hot standby mode. The VT008 is fully hot-swappable to minimize service down time.
# SPECIFICATIONS

| Architecture | Dimensions | Width: 5.685 in. (144 mm)  
| Type | Shelf Manager | For Intel compatible chassis  
| Standards | IPMI | IPMI Version 2.0 and PICMG 3.0  
| Configuration | Power | VT004  
| Environmental | Temperature | Operating Temperature: 0° to 65° C (Air flow requirement is to be greater than 100 LFM)  
| | Storage Temperature: -40° to +90° C  
| | Vibration | 1G, 5-500Hz each axis  
| | Shock | 30Gs each axis  
| | Relative Humidity | 5 to 95 percent, non-condensing  
| Front Panel | Interface Connectors | DB15 connector for Telco alarm  
| | | RS-232 via RJ-45  
| | | Dual 10/100 Ethernet RJ-45  
| | | Reset Switch  
| | LEDs | IPMI Management Control  
| | | Activity/Link; user LED, etc.  
| | Push Button | Reset Switch  
| Mechanical | Hot Swap Ejector Handle  
| Software Support | Operating Systems | Linux version 2.6.15  
| Other | MTBF | MIL Spec 217-F > 220,000 Hrs.  
| | Certifications | Designed to meet FCC, CE and UL certifications where applicable  
| | Standards | VadaTech is certified to both the ISO9001:2000 and AS9100B:2004 standards  
| | Compliance | RoHS and NEBS  
| | Warranty | Two (2) years  
| Trademarks and Logos | The VadaTech logo is a registered trademark of VadaTech, Inc. Other registered trademarks are the property of their respective owners. AdvancedMC™ and the AdvancedTCA™ logo are trademarks of the PCI Industrial Computers Manufacturers Group. All rights reserved. Specification subject to change without notice.
FIGURE 1: Viewing a captured trace while running the VT008 as an IPMI Protocol Analyzer
FIGURE 2. VT008 Functional Block Diagram

ORDERING OPTIONS

VT008 - A00 - 000 - 0HJ

A = Software option
1 = Shelf Manager
2 = IPMI Protocol Analyzer

H = Operating Temp
1 = Commercial
2 = Industrial

J = Conformal Coating
0 = None
1 = Humiseal 1A33 Polyurethane
2 = Humiseal 1B31 Acrylic

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