VT037 ATCA Shelf Manager for VT835



VT037

Key Features

- Quad core ARM processor @ 1GHz per core
- One GB DDR3 Memory
- FRAM for log messages
- Field upgradable with dual boot flash
- Telco alarms
- Isolated DC/DC converter
- IPMI 2.0 compliant

Benefits

- Active/standby redundancy when utilizing two VT037s
- Rich set of Management software such as HPI, RMCP, SNMP, CLI, HTTP, etc.
- VT037 can run as an IPMI protocol analyser to monitor all IPMB busses
- Full system supply from industry leader
- AS9100 and ISO9001 certified company





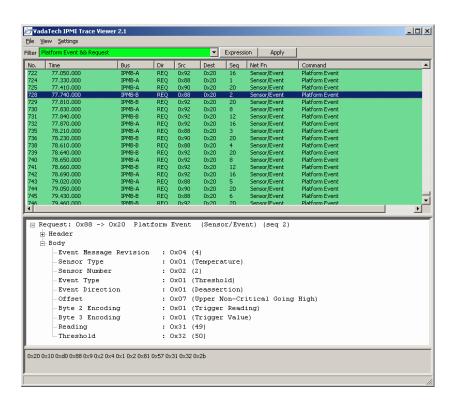
VT037

The VadaTech VT037 is a Shelf Manager for the VT835 chassis. The VT037 has 5W power consumption. The VT037 can also run as a protocol analyzer to monitor, inject, capture and validate I2C traffic on the Intelligent Platform Management Bus (IPMB) 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 VT037 through the Ethernet port.

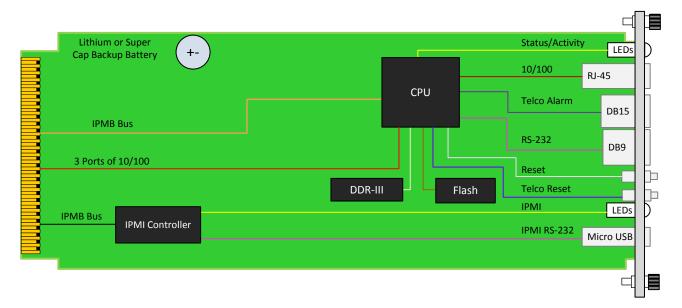
Each IPMI bus has a 64-byte FIFO to allow for a full IPMI packet on each I2C bus so there is no packet loss during operation.

When two VT037s are in the system, they operate in redundant active/standby mode. During operation one VT037 is active while the second one is synchronized in hot standby mode. The VT037 is fully hot-swappable to minimize service down time. Lithium Battery and/or Super CAP for the Real Time Clock.

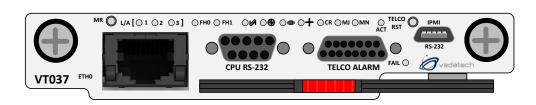




Block Diagram



Front Panel



Specifications

| Architecture | | |
|-------------------|---|--|
| Physical | Dimensions | Width: 3.07" (78 mm) |
| | | Depth: 11.46" (291 mm) |
| | | Height 3HP |
| Туре | Shelf Manager | For VadaTech VT835 ATCA Chassis |
| Standards | | |
| ATCA | Туре | PICMG 3.0 Revision 2.0 |
| Module Management | IPMI | Version 2.0 |
| Configuration | | |
| Power | VT037 | 5W |
| Environmental | Temperature | Operating temperature: -5° to 45° C (55°C for limited time, performance restrictions may apply), industrial and extended versions also available (See environmental spec sheet) |
| | | Storage Temperature: -40° to +85°C |
| | Vibration | Operating 9.8 m/s ² (1G), 5 to 500Hz on each axis |
| | Shock | Operating 30Gs on each axis |
| | Relative Humidity | 5 to 95 per cent, non-condensing |
| Front Panel | Interface Connectors | DB-15 for Telco Alarm |
| | | DB9 for CPU RS-232 |
| | | RJ-45 for 10/100 |
| | | Micro USB for IPMI RS-232 |
| | | Push buttons for Reset and Telco Alarm clear |
| | LEDs | IPMI, Activity and Status |
| Software Support | Operating System | |
| Conformal Coating | | Humiseal 1A33 Polyurethane (Optional) |
| | | Humiseal 1B31 Acrylic (Optional) |
| Other | | |
| MTBF | MIL Hand book 217-F@ TBD 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 | |
| Warranty | Two (2) years | |
| | | |

INTEGRATION SERVICES AND APPLICATION-READY PLATFORMS

VadaTech has a full ecosystem of ATCA and μ TCA products including chassis platforms, shelf managers, AMC modules, Switch and Payload Boards, Rear Transition Modules (RTM), Power Modules, and more. The company also offers integration services as well as pre-configured Application-Ready Platforms. Please contact VadaTech Sales for more information.

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Ordering Options

VT037 - 0B0-000-00J

| B = Battery | |
|---|--|
| 0 = Lithium 1 = Super Cap 2 = Lithium and Super Cap | |
| | J = Temperature Range and Coating |
| | 0 = Commercial (-5° to +55° C), No coating 1 = Commercial (-5° to +55° C), Humiseal 1A33 Polyurethane 2 = Commercial (-5° to +55° C), Humiseal 1B31 Acrylic 3 = Industrial (-20° to +70° C), No coating 4 = Industrial (-20° to +70° C), Humiseal 1A33 Polyurethane 5 = Industrial (-20° to +70° C), Humiseal 1B31 Acrylic |

Related Products

VT835



- 19" rack mount 3U ATCA Hybrid
- 1x ATCA slot, 8 mid-size AMC slots and 2x ATCA RTM slots
- 40G or 10G fabric across the backplane

ATC126



- Dual 14-core Intel® Xeon® E5-2658, 2680 or 2648L v4 processors
- Eight banks of DDR4 for up to 256 GB memory
- 10/40GbE Fabric channels

VT830



- 19" rackmount 6U ATCA Chassis with integrated Switch and Shelf Manager
- 10GbE/GbE Managed Layer 2
- 40GbE/10GbE/GbE Managed Layer 3

Contact

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