VT038 ATCA Shelf Manager for VT836



VT038

Key Features

- Quad core ARM processor @ 1 GHz per core
- One GB DDR3 Memory
- FRAM for log messages
- Field upgradable with dual boot flash (32 GB)
- Telco alarms
- 8 GB NAND Flash
- IPMI 2.0 compliant

Benefits

- Active/standby redundancy when utilizing two VT038s
- Rich set of Management software such as HPI, RMCP, SNMP, CLI, HTTP, etc.
- VT038 can run as an IPMI protocol analyser to monitor all IPMB busses
- Full system supply from industry leader
- AS9100 and ISO9001 certified company





THE POWER OF VISION

VT038

The VadaTech VT038 is VadaTech Shelf Manager for VT836 Shelf based on the Vadatech's 3rd generation VT003.

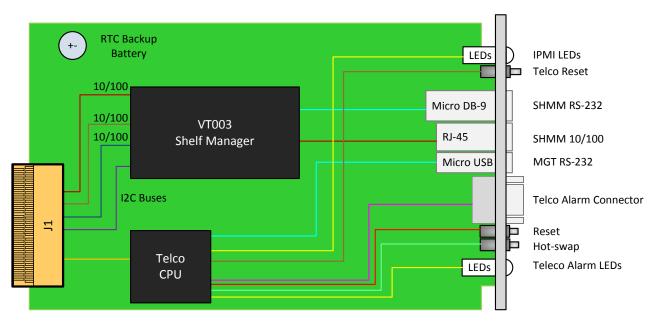
The VT038 can run as a protocol analyzer to monitor, inject, capture and validate I2C traffic on the Intelligent Platform Management Bus (IPMB). A Graphical User Interface (GUI) validates and displays the IPMB messages for injection into the shelf. The GUI application communicates with the VT038 through the Ethernet port.

When two VT038s are in the system, they operate in redundant active/standby mode. During operation one VT038 is active while the second one is synchronized in hot standby mode. The VT038 is fully hot-swappable to minimize service down time. Lithium Battery and/or Super CAP for the Real Time Clock.

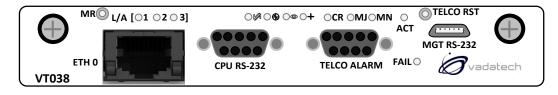


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Block Diagram



Front Panel



Specifications

Architecture					
Physical	Dimensions	Width: 6.2" (157.48 mm)			
		Depth: 4.1" (104.14 mm)			
		Height: 0.8" (20.32 mm)			
Туре	Shelf Manager	For VadaTech VT836 ATCA Chassis			
Standards					
ATCA	Туре	PICMG 3.0 Revision 2.0			
Module Management	IPMI	Version 2.0			
Configuration					
Power	VT038	4W			
Environmental	Temperature	Operating temperature: -5° to 45° C (55°C for limited time, performance restrictions may apply), industrial versions also available (See <u>environmental spec sheet</u>)			
		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 MGT 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@ TE	MIL Hand book 217-F@ TBD hrs			
Certifications	Designed to meet FCC, CE	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 µTCA 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

VT038 - 0B0-000-0HJ

B = Battery	H = Temperature Range
0 = None 1 = Lithium 2 = Super Cap 3 = Lithium and Super Cap	0 = Commercial 1 = Industrial
	J = Conformal Coating
	0 = None 1 = Humiseal 1A33 Polyurethane 2 = Humiseal 1B31 Acrylic

Related Products



- Shelf manager for AdvancedTCA systems
- Utilizing Gen 3 Shelf Manager VT003
- Option to plug into ATC139 ATCA Carrier

• Quad core ARM processor @ 1GHz per core

VT037



- One GB DDR3 Memory
- FRAM for log messages

VT039



- Shelf manager for use in VT825 AdvancedTCA shelf
- Single module, full-size
- Redundant failover between the two shelf managers

Contact

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