VT007

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KEY FEATURES

- Bench-top stand alone Shelf Manager
- As IPMI protocol analyzer it can interface to any ATCA chassis via cable
- 3W max power with wide input power range (8V to 24V)
- 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
- Rich set of management software (refer to the VT001 specification for all software components) such as HPI, RMCP, SNMP, CLI, HTTP, etc.

The VadaTech VT007 Shelf Manger is a bench-top, stand-alone shelf manager and can manage any number of ATCA modules during debugging and development. The VT007 can be interfaced to any ATCA chassis via cable to run as a protocol analyzer to monitor, inject, capture and validate I^2C traffic on the Intelligent Platform Management Bus (IPMB). 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 VT007 through the Ethernet port.

A combination of the VT000 and the VT007 can manage any number of ATCA modules during development and debugging.

The VT007 utilizes the common VadaTech VT001 module as its shelf manager or protocol analyzer.

VadaTech can modify this product to meet special customer requirements without NRE (minimum order placement is required).
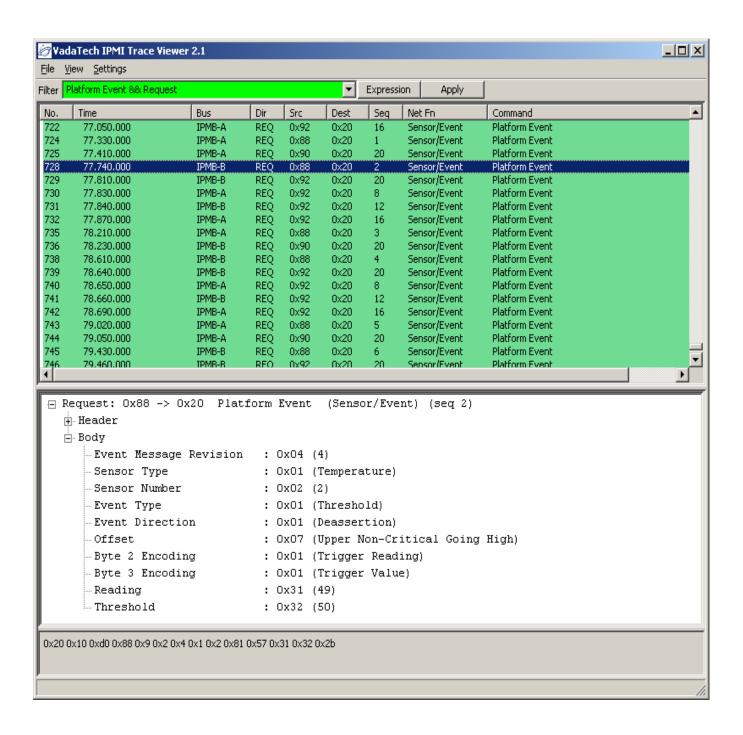
Advanced **TCA**®

SPECIFICATIONS

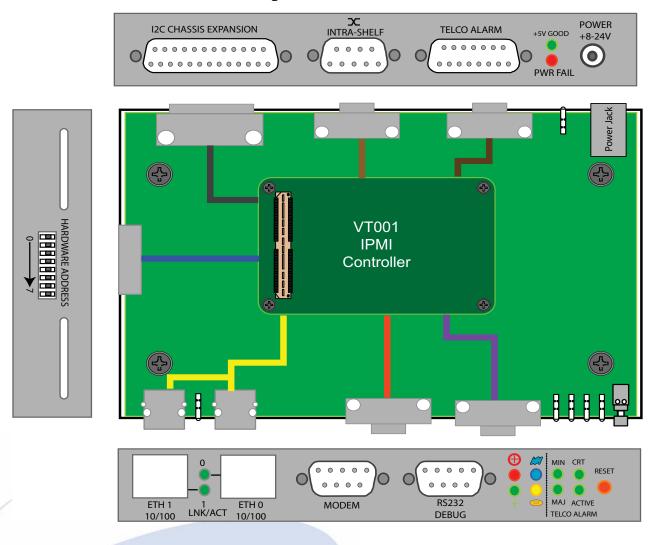| Architecture		
Physical	Dimensions	Width: 5 in. (144 mm)
		Depth:7 in. (281 mm)
Type	Shelf Manager	Stand-alone (bench-top)
Standards		
Module Management	IPMI	IPMI Version 2.0 and PICMG 3.x
Configuration		
Power	VT007	3W
Environmental	Temperature	Operating Temperature: 0° to 65° C (Available in Industrial Temp)
		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	Interface Connectors	Debug port, RS-232 via RJ-45
		Dual 10/100 Ethernet RJ-45
		Modem Interface DB25
		Reset Switch
	LEDs	IPMI Management Control
		Activity/Link; user LED, etc.
	Push Button	Reset Switch
Rear	Interface Connectors	DB15 Connector for Telco alarm
		DB15 with five I^{2}C busses
		Input power (wide range - 8V to 24V)
Software	Operating System	Linux version 2.6.15
Other		
MTBF	MIL Spec 217-F > 235000 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	
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FIGURE 1: Viewing a captured trace while running the VT007 as an IPMI Protocol Analyzer

FIGURE 2. VT007 Functional Block Diagram

ORDERING OPTIONS

VT007 - 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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