# VT014





#### **KEY FEATURES**

- · 32-bit RISC processor @ 400 MHz
- · 64 Mbytes of DDR @ 266 MHz
- 128 Mbytes of flash
- 32KByte FRAM for log messages
- Three 10/100 Ethernet ports
- RS-232 Debug port
- Linux release 2.6
- · Field upgradable with dual boot flash
- IPMI 2.0 compliant
- Telco alarms via VT092
- Isolated DC/DC converter
- Active/standby redundancy when utilizing two VT014s in the system
- Rich set of management software (refer to the VT001 specification for all software components) such as HPI, RMCP, SNMP, CLI, HTTP, etc.
- VTO14 can run as an IPMI protocol analyzer to monitor the I<sup>2</sup>C busses

The VT014 is a carrier which utilizes the VadaTech VT002 Shelf Manager. The carrier is designed to fit the LCR next generation chassis Chassis. The carrier meets all the requirements per ATCA specification including Telco alarms, isolated DC/DC converter. LEDs. etc.

When two VT014s are in the system, they operate in redundant active/standby mode. During operation one VT014 is active while the second one is synchronized in hot standby mode. The VT014 is fully hot-swappable to minimize service down time.

Each IPMI bus has a 64-byte FIFO to allow for a full IPMI packet on each I<sup>2</sup>C bus so there is no packet loss during operation.

The VT014 can also run as a protocol analyzer to monitor, inject, capture and validate  $\rm I^2C$  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 VT014 through the Ethernet port.

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

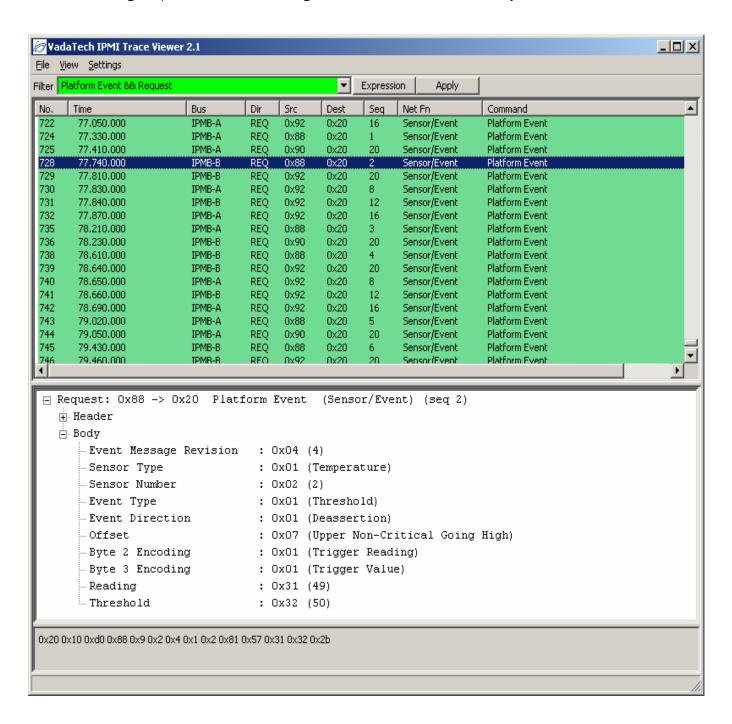
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#### **SPECIFICATIONS**

Architecture	Dimensions	Width: 3.190 in.
Physical	Dimensions	
		Depth:11.110 in.
Туре	Shelf Manager	For LCR next generation chassis (14 and 5 slots)
Standards		
Module Management	IPMI	IPMI Version 2.0 and PICMG 3.0
Configuration		
Power	VT014	4W typical.
Environmental	Temperature	Operating Temperature: 0° to 65° C (Air flow requirement is to be greater than 50 VT014LFM
		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 Panel	Interface Connectors	10/100 Ethernet RJ-45
		Reset Switch
	LEDs	IPMI Management Control
		Activity/Link; user LED, etc.
	Mechanical	Hot Swap Ejector Handle
Software Support	Operating Systems	Linux version 2.6
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	
Compliance	RoHS and NEBS	
Warranty	Two (2) years	
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FIGURE 1: Viewing a captured trace when running the VTO14 as an IPMI Protocol Analyzer



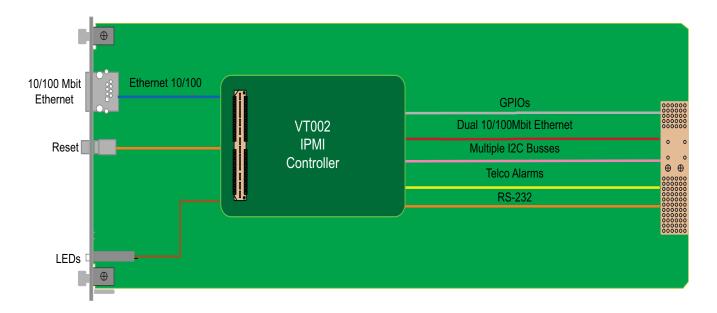
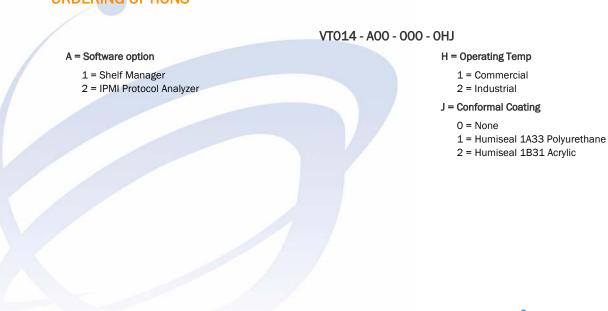


FIGURE 2. VT014 Functional Block Diagram

### **ORDERING OPTIONS**

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