VT053

3rd GenerationATCA Shelf Manager

VT053

Key Features

- Compliant to PICMG 3.0 base specifications
- 10/100 out-of-band, and RS-232 de-bug ports via RJ-45
- Software for Sensor Data Record, event logs, FRU inventory monitoring temp and power, e-keying, alarms and more
- Telco alarm with Micro DB15 connector front panel interface
- Active/standby redundancy when utilizing two VT053 in a system

Benefits

- Incorporates VadaTech's 3rd generation shelf manager with HTTP, SNMP, HPI, RMCP, CLI and other software features
- Electrical, mechanical, software, and system-level expertise in house
- Full system supply from industry leader
- AS9100 and ISO9001 certified company





VT053

The VT053 AdvancedTCA 3^{rd} Generation Shelf Manager is designed for use with VadaTech VT831 or VT832 ATCA Chassis. The unit allows two slots in the system to be used as Nodes that would otherwise be allocated as dedicated switching hubs in the system.

Full redundancy and failover on both the Hub side and the Shelf Manager side can be achieved by using two VT053's in the system.

The VT053 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 VT053 is fully hot-swappable to minimize service downtime.

Figure 1: VT053

Block Diagram

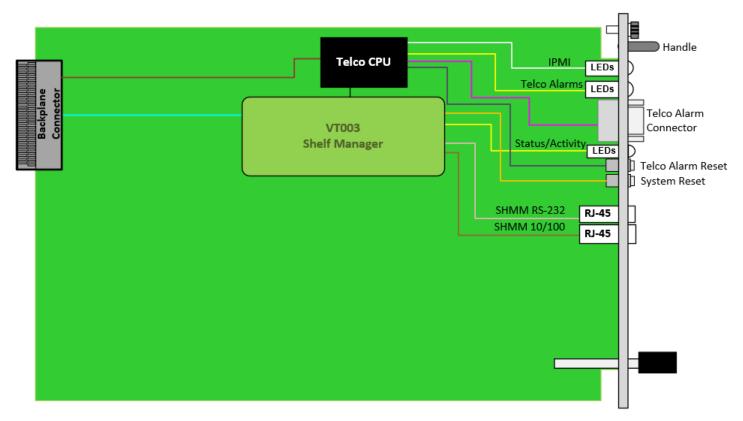


Figure 2: VT053 Functional Block Diagram

Scorpionware[™] Software

VadaTech's Scorpionware ™ software can be used to access information about the current state of the Shelf or the Carrier, obtain information such as the FRU population, or monitor alarms, power management, current sensor values, and the overall health of the Shelf. The software GUI is very powerful, providing a Virtual Carrier and FRU construct for a simple, effective interface.

IPMI Protocol Analyzer

VT053 can be used as an IPMI protocol analyzer, Figure .

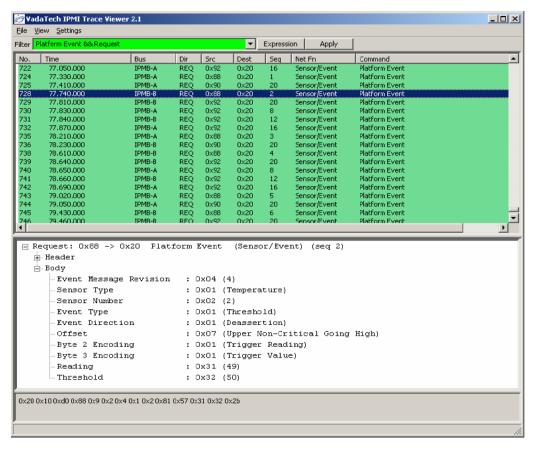


Figure 3: IPMI Protocol Analyzer Trace Viewer Output

Specifications

Architecture		
Physical	Dimensions	Width: 5.685" (144 mm)
i ilyolodi	Dimensions	Depth 11.096" (281 mm)
Туре	Shelf Manager	VadaTech ATCA Shelf Manager
Standards	Onen manager	Vada 10011711 071 Onloin Managor
Module Management	IPMI	IPMI v2.0 and PICMG 3.0
Configuration	11 1411	III WII VZ.O AND I TOWO 3.0
Power	VT053	3/W
Environmental		See Ordering Options
Liivii Oliillelitai	remperature	Storage Temperature: –40° to +90°C
	Vibration	Operating 9.8 m/s² (1G), 5 to 500 Hz on each axis
		Operating 30G each axis
		5 to 95% non-condensing
Front Panel	-	Micro DB15 connector for Telco Alarm
Tront raner	interface confidences	RJ-45 for RS-232 port
		Single 10/100 out of band port support to the shelf manager
		Single 10/100 out of band port support to the shell manager
	I FDs	IPMI management control
	2250	Activity/Link user LEDs
	Mechanical	Hot-swap ejector handle
	in o in a in a	Cap-screw
	Push Button	Alarm reset and system reset
Software Support		Linux (consult factory for VxWorks, Windows, or other options)
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 ISO9001:2015 and AS9100D standards	
Warranty	Two (2) years, see VadaTech Terms and Conditions	
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INTEGRATION SERVICES AND APPLICATION-READY PLATFORMS

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

Ordering Options

VT053-000-000-0HJ

	H = Temperature Range
	0 = Commercial (Operating Temperature -5° to 65°C) 1 = Industrial
	J = Conformal Coating
	0 = No coating 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





- 10GbE Switching Shelf Manager, eliminates need for separate switch slots
- Compliant to PICMG 3.0 base specs
- Compliant to PICMG 3.1 fabric specs



- Switching Shelf Manager (SSM) 40G
- Compliant to PICMG 3.0 base specs
- Compliant to PICMG 3.1 fabric specs

Contact

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