

MRT011

MTCA.4 RTM Load Testing



MRT011

Key Features

- Up to 160W adjustable power load
- True payload power request to the carrier (MCH/Shelf)
- Eight temp sensors to monitor various on-board temperatures
- IPMI 2.0 compliant
- RoHS compliant

Benefits

- Rear Transition Module for extended access
- Design utilizes proven VadaTech subcomponents and engineering techniques
- Electrical, mechanical, software, and system-level expertise in house

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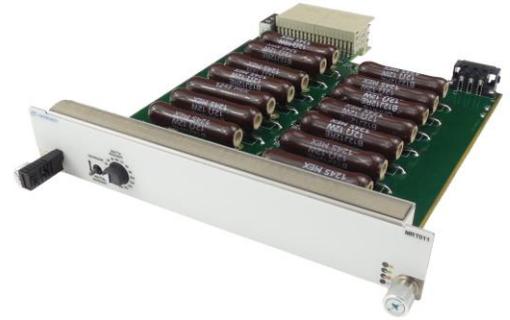


MRT011

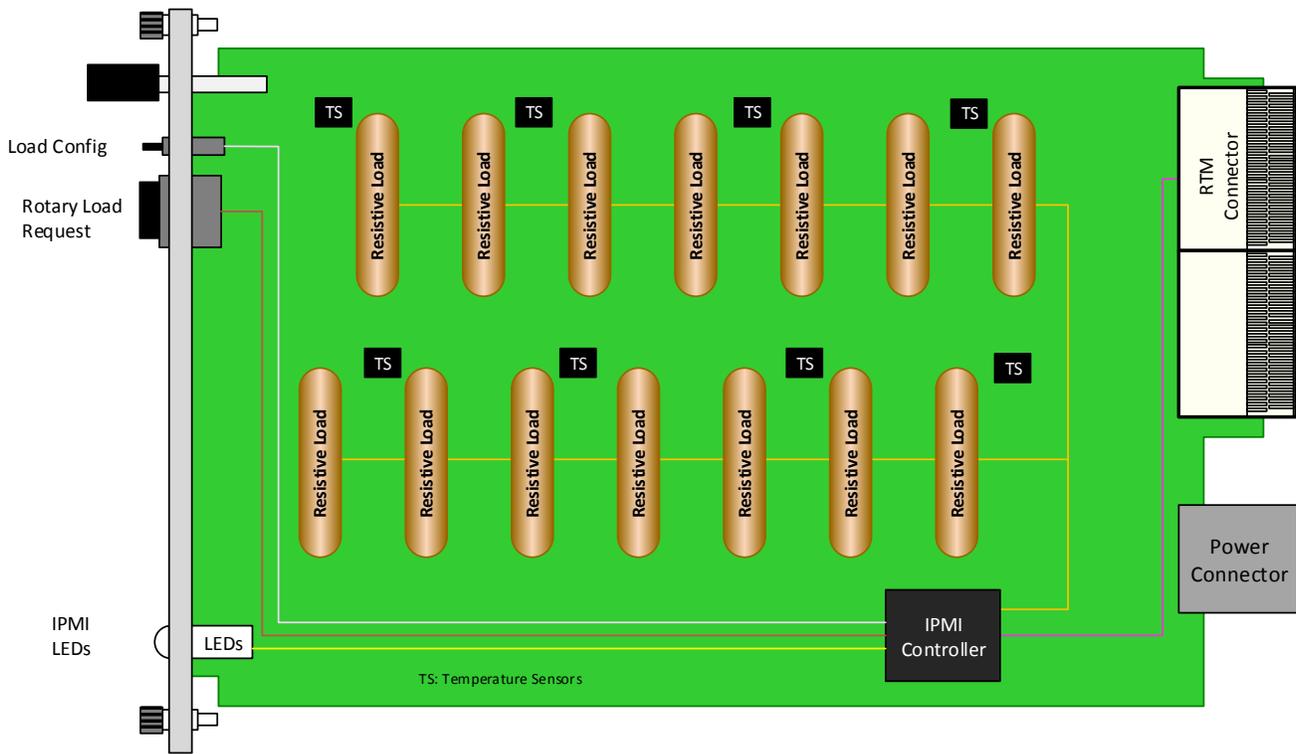
The MRT011 provides an easy way to test/monitor AMC slots under different power loading conditions through a Rear Transition Module. The module includes two front panel switches for configuration. The rotary switch is read during power up by the on-board IPMI controller, which uses the setting to request the specified amount of power needed during test and verification from the carrier (MCH/Shelf). A second switch is used to increase or decrease the actual power consumption of the board at any time during the test.

There are several temperature sensors to continually monitor the air temperature.

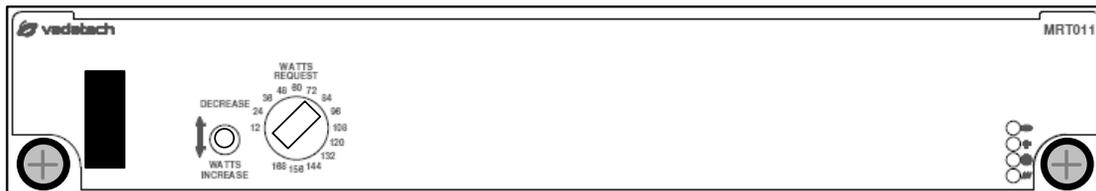
The MRT011 is designed to be used with AMC011.



Block Diagram



Front Panel



Specifications

Architecture		
Physical	Dimensions	Double module, mid-size (full-size optional)
		Width: 5.85" (148.5 mm)
		Depth 7.11" (180.6 mm)
Type	AMC Development	Rear Transition Module Load test
Standards		
AMC	Type	AMC.0
Module Management	IPMI	IPMI version 2.0
Configuration		
Power	MRT011	160 W
Environmental	Temperature	Operating temperature: -5° to 45° C (55°C for limited time, performance restrictions may apply), industrial versions also available (See environmental spec sheet)
		Storage Temperature: -40° to +95°C
	Vibration	Operating 9.8 m/s ² (1G), 5 to 500Hz on each axis
	Shock	Operating 30G each axis
	Relative Humidity	5 to 95 per cent, non-condensing
Front Panel	Interface Connectors	None
	Switches	Rotary switch for load request, toggle switch for load adjustment
	LEDs	IPMI management control
	Mechanical	Hot swap ejector handle
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

MRT011 – 00C-000-000

C = Front Panel Height		
1 = Reserved		
2 = Reserved		
3 = Full-size		

Related Products

AMC001



- 32-bit IPMI RISC processor
- Up to 90W adjustable power load
- True payload power request to the carrier (MCH/Shelf)

AMC011



- Up to 192W adjustable power load
- True payload power request to the carrier (MCH/Shelf)
- Front panel LCD to indicate status

MRT012



- Five zone airflow sensor
- Eight temp sensors to monitor various on-board temperatures
- Module allows adding blocks to emulate a true pay load module impedance

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