

# AMC011

## MTCA.4 Load Testing and Monitoring with Display, AMC



AMC011

## Key Features

- Up to 192W adjustable power load
- True payload power request to the carrier (MCH/Shelf)
- Front panel LCD to indicate status
- Eight temp sensors to monitor various on-board temperatures and status
- RISC processor
- IPMI 2.0 compliant
- RoHS compliant

## Benefits

- LCD Display for easy monitoring
- Design utilizes proven VadaTech subcomponents and engineering techniques
- Electrical, mechanical, software, and system-level expertise in house

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# AMC011

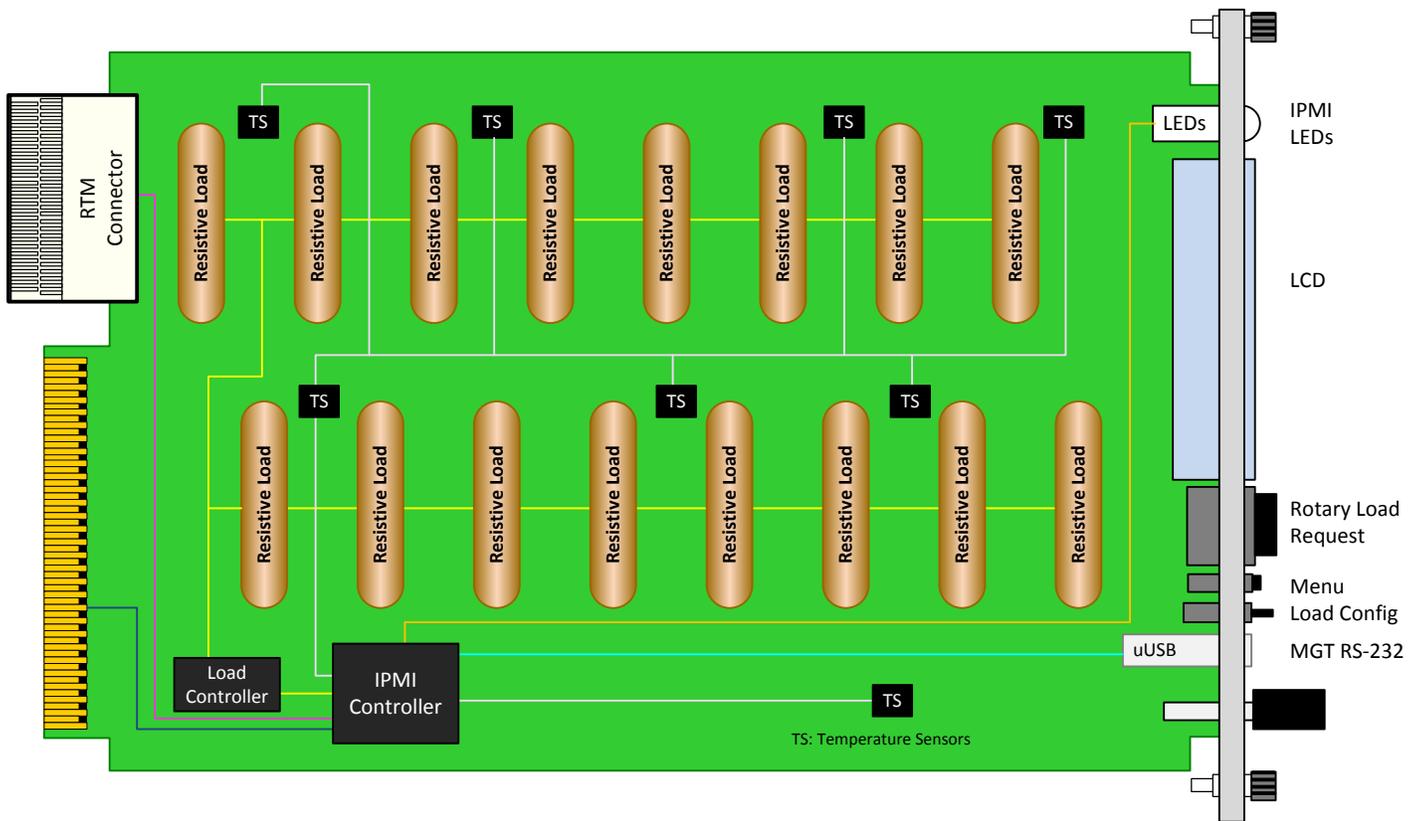
The AMC011 provides an easy way to test/monitor AMC slots under different power loading conditions. The module includes two front panel switches for configuration. The rotary switch is read during power up by the on-board IPMI controller, which uses the setting to request the specified amount of power 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.

An LCD display on the front panel allow for effortless monitoring of the power being used. There is a temperature sensor on the air flow intake side and others at the air flow exit side to continually monitor the air temperature. A push button allows the user to scroll the display output.

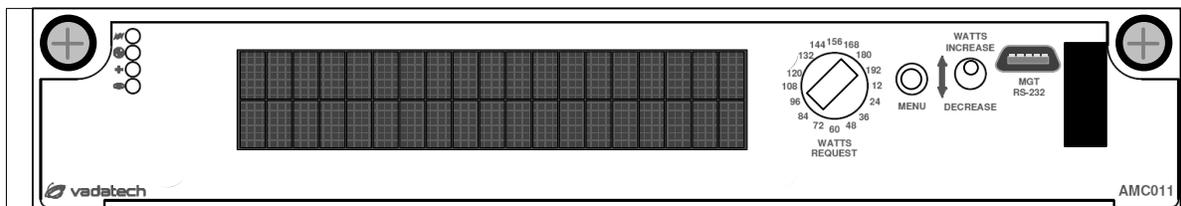
The module has a serial port in the front that allows a more dynamic configuration of the load using predefined profiles selected from a menu driven interface.



# Block Diagram



# Front Panel



# Specifications

Architecture		
Physical	<b>Dimensions</b>	Double module, mid-size (full-size optional)
		Width: 5.85" (148.5 mm)
		Depth 7.11" (180.6 mm)
Type	<b>AMC Development</b>	Load test and monitoring
Standards		
AMC	<b>Type</b>	AMC.0
Module Management	<b>IPMI</b>	IPMI version 2.0
Configuration		
Power	<b>AMC011</b>	192 W
Environmental	<b>Temperature</b>	Operating temperature: -5° to 45° C (55°C for limited time, performance restrictions may apply), industrial versions also available (See <a href="#">environmental spec sheet</a> )
		Storage Temperature: -40° to +95°C
	<b>Vibration</b>	Operating 9.8 m/s <sup>2</sup> (1G), 5 to 500Hz on each axis
	<b>Shock</b>	Operating 30G each axis
	<b>Relative Humidity</b>	5 to 95 per cent, non-condensing
Front Panel	<b>Interface Connectors</b>	Micro USB or management RS-232
	<b>Switches</b>	Rotary switch for load request, toggle switch for load adjustment Menu push button for display scroll
	<b>LEDs</b>	IPMI management control
	<b>Display</b>	LCD display to output status
	<b>Mechanical</b>	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  $\mu$ 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

## AMC011 – 00C-000-000

<b>C = Front Panel Height</b>		
1 = Reserved		
2 = Reserved		
3 = Full-size		

## Related Products

AMC001



- Single-width, mid-height or full-height
- 32-bit IPMI RISC processor
- Up to 90W adjustable power load
- True payload power request to the carrier (MCH/Shelf)

AMC012



- Five zone airflow sensor
- Module allows adding blocks to emulate a true pay load module impedance
- Front panel LCD to indicate airflow, temperature and status

MRT011



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

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