

MRT012

MTCA.4 RTM Five-zone Airflow Meter



MRT012

Key Features

- 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
- IPMI 2.0 compliant
- RoHS compliant

Benefits

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

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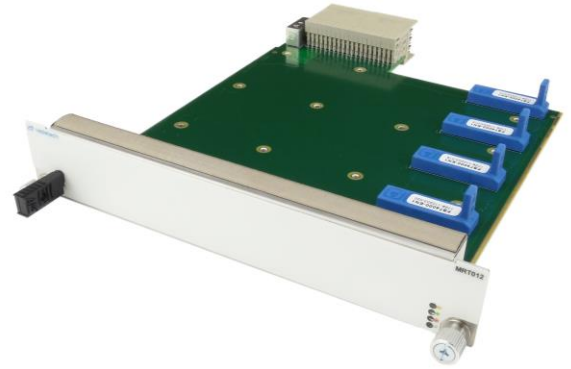
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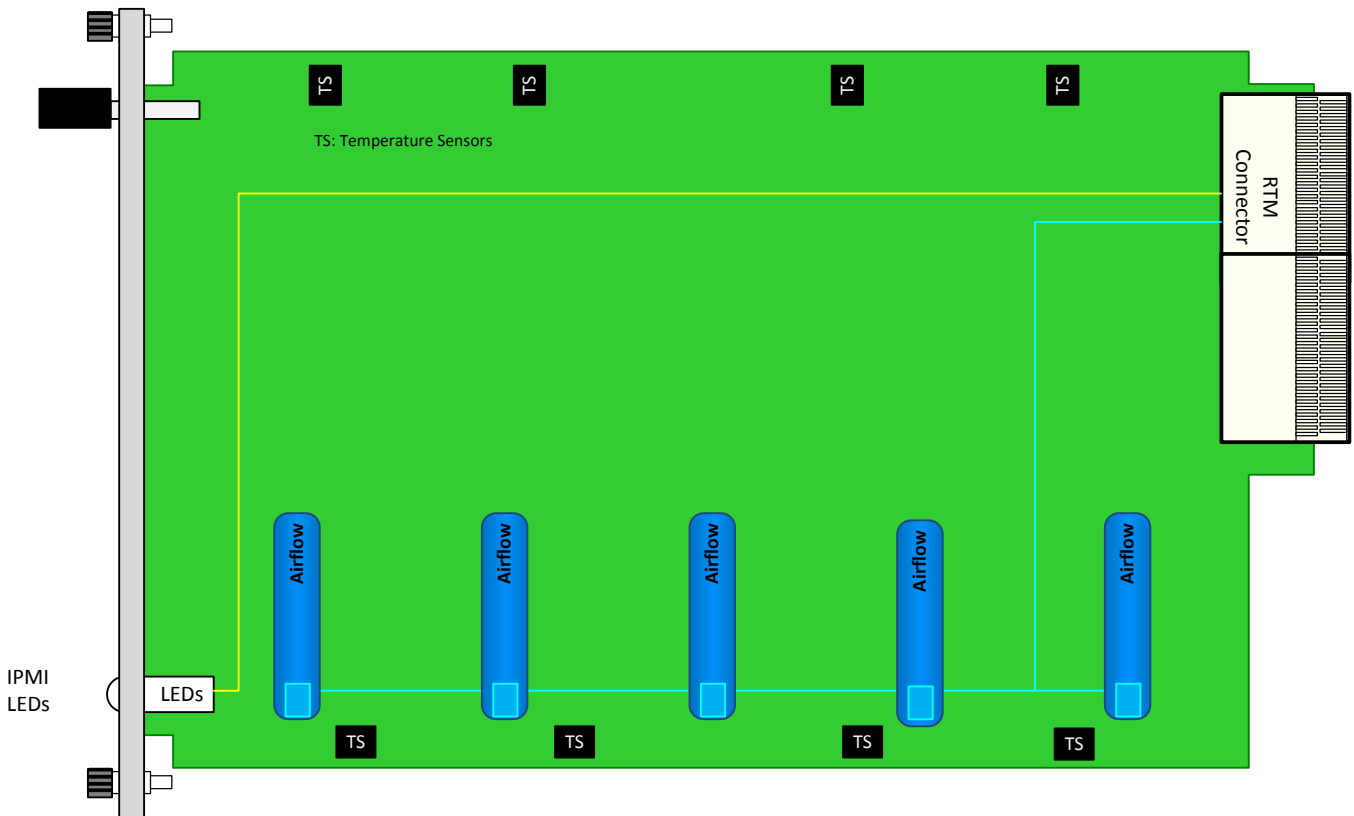
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The MRT012 provides an easy way to test/monitor airflow in five zones. There are four temperature sensors on the air flow intake side and four others at the air flow exit side to continually monitor the air temperature.

The module have provision to add blocks to emulate a true pay load module impedance. The readings allows to see the air flow across the different AMC zones (I/O, A, B, C and D).



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	RTM Airflow test and monitoring
Standards		
AMC	Type	AMC.0
Module Management	IPMI	IPMI version 2.0
Configuration		
Power	MRT012	2 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
	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

MRT012 – 00C-000-000

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

Related Products

AMC001



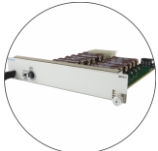
- 32-bit IPMI RISC processor
- Up to 90W adjustable power load
- True payload power request to the carrier (MCH/Shelf)

AMC012



- Five zone airflow sensor
- Eight temp sensors to monitor various on-board temperatures
- Front panel LCD to indicate airflow and temperature

MRT011



- Up to 192W 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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