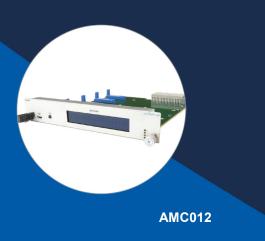# AMC012

MTCA.4 Five-zone Airflow Meter with Display, AMC

AMC012

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

- Front panel LCD to indicate airflow, temperature 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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AMC012

The AMC012 provides an easy way to test/monitor airflow in five zones. An LCD display on the front panel allow for effortless monitoring of the airflow. 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. A push button allows the user to scroll the display output. 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).
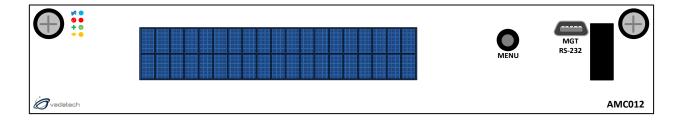
Block Diagram

Front Panel

AMC012 – MTCA.4 Five-zone Airflow Meter with Display, AMC

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**	Airflow test and monitoring	
Standards			
AMC	**Type**	AMC.0	
Module Management	**IPMI**	IPMI version 2.0	
Configuration			
Power	**AMC012**	3 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**	Micro USB or management RS-232	
		Menu push button for display scroll	
	LEDs	IPMI management control	
	Display	LCD display to output status	
	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 µTCA 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

AMC012 – 00C-000-000

C = Front Panel Height		

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)

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

Contact

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