vadatech inc
™ THE POWER OF VISION

KEY FEATURES

- 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)
- Front panel LED to indicate status and power consumption
- Six temp sensors to monitor various on-board temperatures
- All differential pairs routed for ease of access (loop back using zero ohms resistors)
- IPMI 2.0 compliant
- RoHS compliant

The AMC01 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.

The indicators 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 five others at the air flow exit side to continually monitor the air temperature.

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.

AdvancedMC™

SPECIFICATIONS

| Architecture		
Physical	**Dimensions**	Single-width, mid-height or full-height
		Width: 2.89 in. (73.5 mm)
		Depth: 7.11 in. (180.6 mm)
Product Type	**AMC Development**	Load module for verification
Standards		
AMC	**Type**	AMC.0
Module Management	**IPMI**	IPMI Version 2.0
Configuration		
Power	**AMC001**	up to 90W
Environmental	**Temperature**	Operating Temperature: -20° to 75° C
		Storage Temperature: -40° to +95° C
	Vibration	1G, 5-500Hz each axis
	Shock	30G each axis
	Relative Humidity	5 to 95 percent, non-condensing
Front Panel	**LEDs**	IPMI Management Control
		Payload power, power good, reset, etc.
	Mechanical	Hot-swap ejector handle
Other		
MTBF	MIL 217-F > 430,000 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	
Compliance	RoHS and NEBS	
Warranty	Two (2) years.	
Trademarks	The VadaTech logo is a registered trademark of VadaTech, Inc. Other registered trademarks are the property of their respective owners. AdvancedMC[TM] and the AdvancedTCA[TM] logo are trademarks of the PCI Industrial Computers Manufacturers Group. All rights reserved. Specification subject to change without notice.	
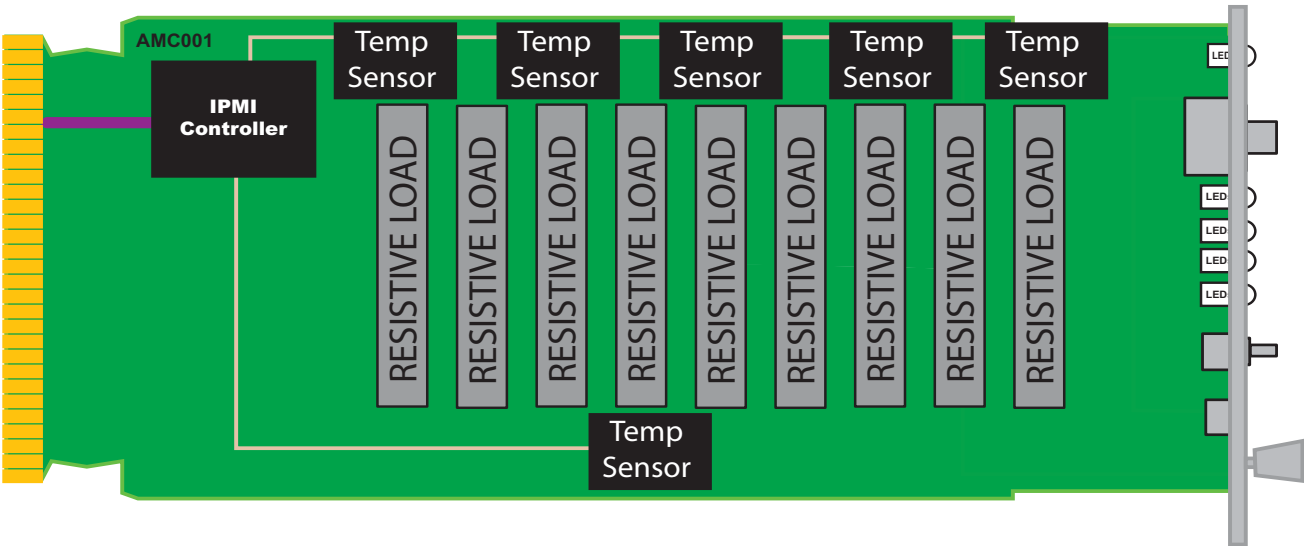
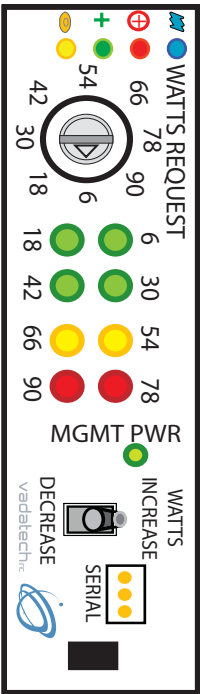**FIGURE 1.** AMC001 Functional Block Diagram

FIGURE 2. AMC001 Front Panel

ORDERING OPTIONS

AMC001 - 00C - 000 - 000

C = Front Panel Height

1 = Reserved
2 = Mid-height
3 = Full-height