



KEY FEATURES

- 2.5 inch SATA drive
- Options for AMC.1 or AMC.3 compliance
- PCIe x1
- Single-width, half height (mid-height and full-height options available).
- IPMI 2.0 compliant
- RoHS compliant

The AMC600 is a 2.5" SATA hard disk drive in a single-width, half-height AdvancedMC™ (AMC) form factor based on the AMC.1, or optionally the AMC.3 (to port 2 or port 3 of the AMC), specification. With a storage capacity of over 320 Gbytes and data transfer rates of 150Mbyte/s the AMC600 is the ideal AdvancedMC™ storage module.

Also available in 24x7 Disk or Solid State Flash Disk configurations.

VadaTech can modify this product to meet special customer requirements without NRE (minimum order placement is required).

AdvancedMC™

AMC 2.5" SATA Drive Module

SPECIFICATIONS

Architecture		
Physical	Dimensions	Single-Width, Half-Height (with Mid or Full-Height options)
		Width: 2.89 in. (73.5 mm)
		Depth: 7.11 in. (180.6 mm)
Product Type	AMC Storage	2.5" Serial ATA Drive
		Optional Solid State Disk Drive (Contact Sales for capacity and availability)
		5400 RPM (with an option for 7200 RPM drive), <12ms average seek time
		Up to 200 Gbyte hard drive capacity, 16 Mbyte buffer
		150 Mbyte/s transfer rate
Standards		
AMC	Type	AMC.1 or AMC.3
Module Management	IPMI	IPMI Version 2.0
PCIe	Lanes	x1
Configuration		
Power	AMC600	5W
Environmental	Temperature	Operating Temperature: 0° to 60° C (Air flow requirement is to be greater than 200 LFM)
		Storage Temperature: -40° to +70° C with the Disk
	Vibration	Operating 9.8 m/s ² (1.0G), 5-500Hz
	Shock	Operating 325G/2ms, 160G/1ms
	Relative Humidity	5 to 95 percent, non-condensing
Front Panel	LEDs	IPMI Management Control
		Activity
	Mechanical	Hot Swap Ejector Handle
Software Support	Operating Systems	Linux, Windows, Solaris and VxWorks
Other		
MTBF	Per MIL-217F > 420,000 MTTF Hrs. not including the disk	
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 and Logos	The VadaTech logo is a registered trademark of VadaTech, Inc. Other registered trademarks are the property of their respective owners. AdvancedMC™ and the AdvancedTCA™ logo are trademarks of the PCI Industrial Computers Manufacturers Group. All rights reserved. Specification subject to change without notice.	
Note	The AMC600 is available with 24x7 disk and 7200 RPM disk drive. Contact Sales for more information.	

AMC 2.5" SATA Drive Module

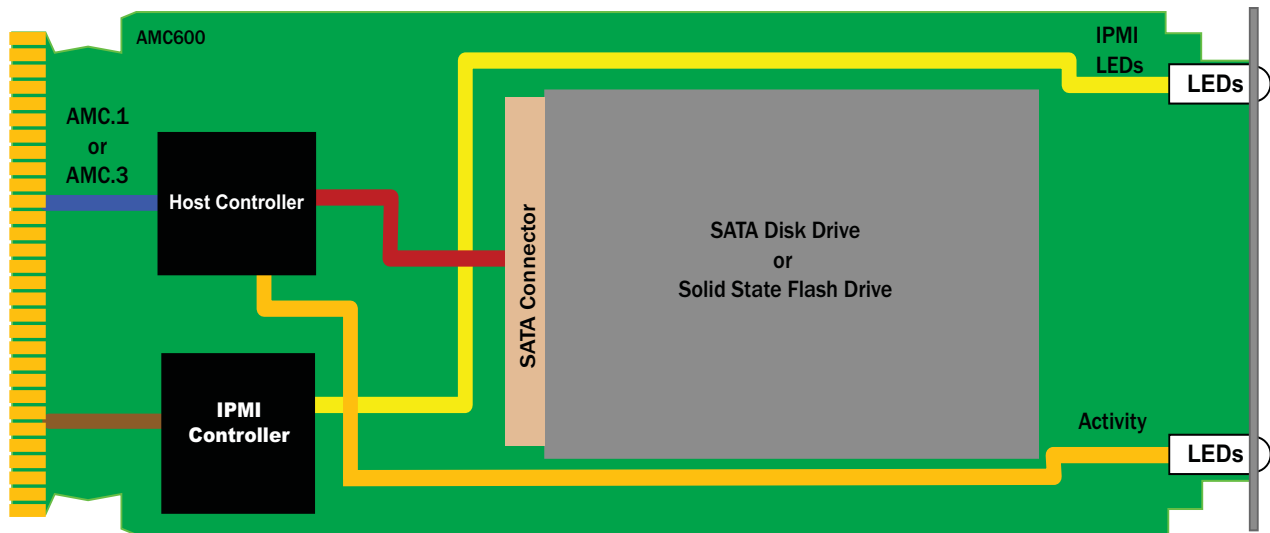


FIGURE 1. AMC600 Functional Block Diagram

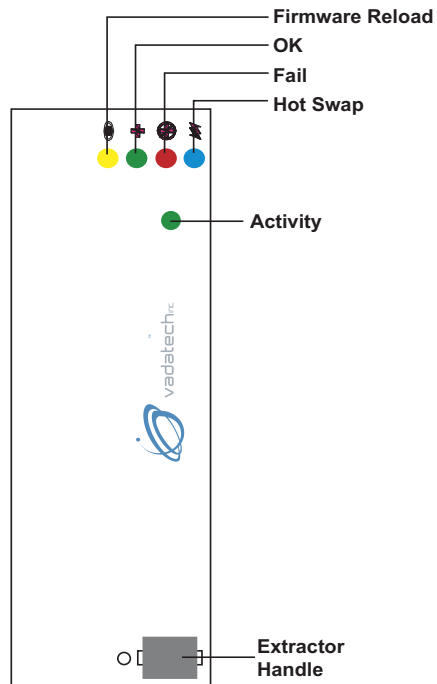


FIGURE 2. AMC600 Front Panel

AMC 2.5" SATA Drive Module

ORDERING OPTIONS

AMC600 - AOC - DE0 - 00J

A = SATA Drive Capacity

- 0 = None
 - 1 = 250 Gbytes
 - 2 = 500 Gbytes
 - 3 = Reserved
 - 4 = Reserved
 - 5 = Reserved
 - 6 = Reserved
 - 7 = 2.5" Solid State Drive (SSD)
- (Contact sales for availability)

C = Front Panel Height

- 1 = Half-Height
- 2 = Mid-Height
- 3 = Full-Height

D = Temp

- 1 = Extended Temperature Range*
(-20° C to +80° C)
- 2 = Standard Temperature Range
(0° C to +60° C)

E = AMC Compliance

- 1 = AMC.1
- 2 = AMC.3 (Port 2 of the AMC)
- 3 = AMC.3 (Port 3 of the AMC)

J = Conformal Coating

- 0 = None
- 1 = Humiseal 1A33 Polyurethane
- 2 = Humiseal 1B31 Acrylic

*Available for the SSD option only

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