



### KEY FEATURES

- Two 2.5 inch SATA HDDs providing up to 400 Gbytes combined
- Optional Solid State Disk (SSD)
- AMC.1 or AMC.3 options
- IPMI 2.0 compliant
- RoHS compliant
- OS support for:
  - Linux
  - Windows
  - Solaris
  - VxWorks

The AMC603 has two 2.5 inch SATA HDDs in a single-width, full-height storage module in the Advanced Mezzanine Card (AMC) form factor based on the AMC.1 or AMC.3 specification. The hard disk drives can support data transfer rates of over 150 Mbyte/s and provide up to 640 Gbytes of total capacity. The AMC603 is ideal for adding high-capacity storage and can run as RAID0 (striping across the two driver for increased space and performance) or RAID1 (mirroring the two drives for fault tolerance). It can also run as two independent disks.

The AMC603 is also available with Solid State Flash drives.

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

**AdvancedMC™**

# AMC 2.5 Inch Dual Drives Module

## SPECIFICATIONS

Architecture		
Physical	Dimensions	Full-Height
		Width: 2.89 in. (73.5 mm)
		Depth: 7.11 in. (180.6 mm)
Product Type	AMC Storage	Two 2.5 inch SATA HDDs
		Optional Solid State Disk Drives (contact Sales for capacity and availability)
		5400 RPM (with an option for 7200 RPM drives), < 12 ms average seek time
		Up to 400 Gbytes combined Hard Drive capacity
		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	AMC603	7W
Environmental	Temperature	Operating Temperature: 0° to 60° C (Air flow requirement is to be greater than 200 LFM)
		Storage Temperature: -40° to +70° C
	Vibration	Operating 9.8 m/s2 (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	MIL-217F > 363,000 (without the disks)	
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.	

# AMC 2.5 Inch Dual Drives Module

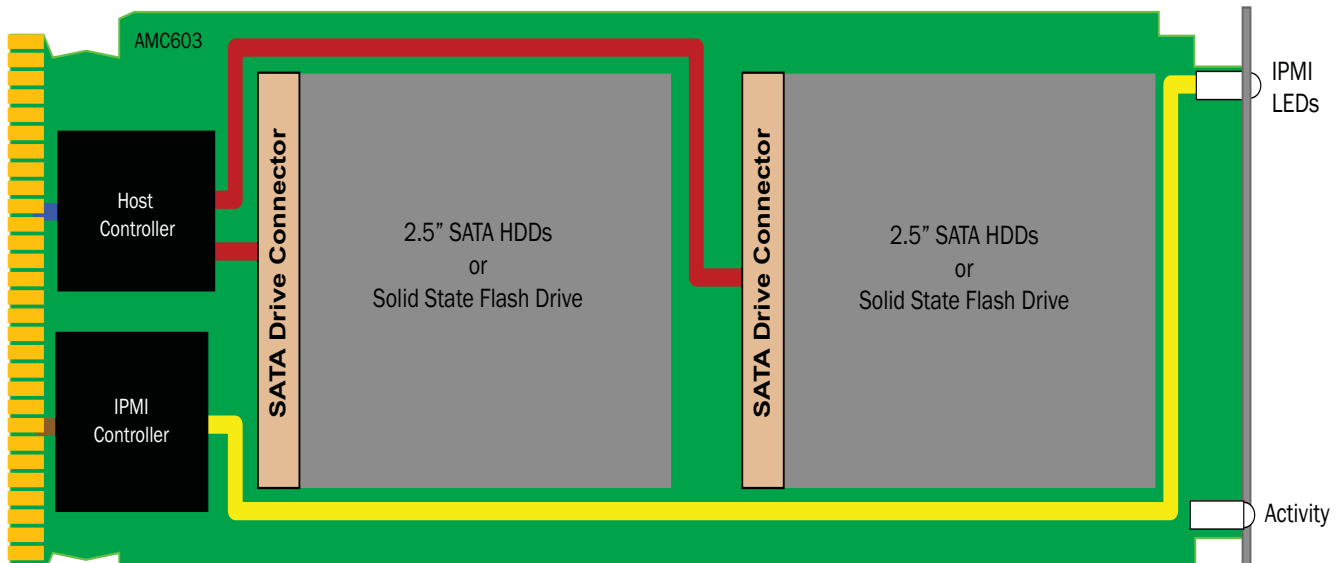


FIGURE 1. AMC603 Functional Block Diagram

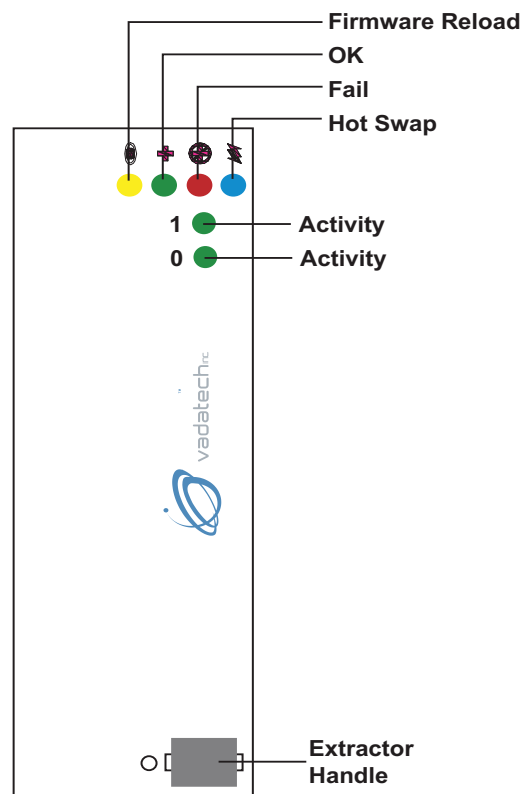


FIGURE 2. AMC603 Front Panel

# AMC 2.5 Inch Dual Hard Drive Module

## ORDERING OPTIONS

### AMC603 - AB0 - DEF - 00J

#### A = SATA Drive Capacity\*

- 0 = No Disk Drive
  - 1 = 250 Gbytes
  - 2 = 500 Gbytes
  - 3 = Reserved
  - 4 = Reserved
  - 5 = Reserved
  - 6 = Reserved
  - 7 = Reserved
  - 8 = Solid State Flash Drive
- (Contact Sales for availability)

#### B = Firmware

- 0 = Two Independent disks
- 1 = RAID0 (striping)
- 2 = RAID1 (mirroring)

\*Both disks must be identical

#### D = AMC Compliant

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

#### J = Conformal Coating

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

#### E = AMC Compliance

- 1 = AMC.1
- 2 = AMC.3

#### F = SATA Disk

- 1 = Standard
- 2 = 24x7

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