



KEY FEATURES

- Single-width, half-height (mid-height and full-height options available)
- 2.5 inch SATA HDD
- Front Panel accessible CompactFlash up to 8 Gbytes (see ordering options)
- Available with an optional 2.5" Solid State Flash drive (SSD)
- AMC.1 or AMC.3 options
- IPMI 2.0 compliant
- RoHS compliant
- OS support for:
 - Linux
 - Windows
 - Solaris
 - VxWorks

The AMC602 is a storage adapter in the Advanced Mezzanine Card (AMC) form factor. The AMC602 combines a 2.5 inch SATA HDD and a CompactFlash (CF) in a single-width, half-height AMC form factor based on the AMC.1 or AMC.3 (port 2 or 3 of the AMC) specification. The CompactFlash is accessible through the front panel. The hard disk drive can support data transfer rates of over 100 Mbyte/s and provides up to 320 Gbytes of storage capacity. The CompactFlash can support up to 8 Gbytes of non-volatile storage. The AMC602 is ideal for adding both removable media and high-capacity secondary storage.

The AMC602 is also available with a Solid State Flash drive.

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

AdvancedMC™

AMC CompactFlash w/ 2.5 Inch 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	Compact Flash via front panel
		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 Gbytes 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	x4
Configuration		
Power	AMC602	6W
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 217-F > 254,000 (with no 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.	

AMC CompactFlash w/ 2.5 Inch SATA Drive Module

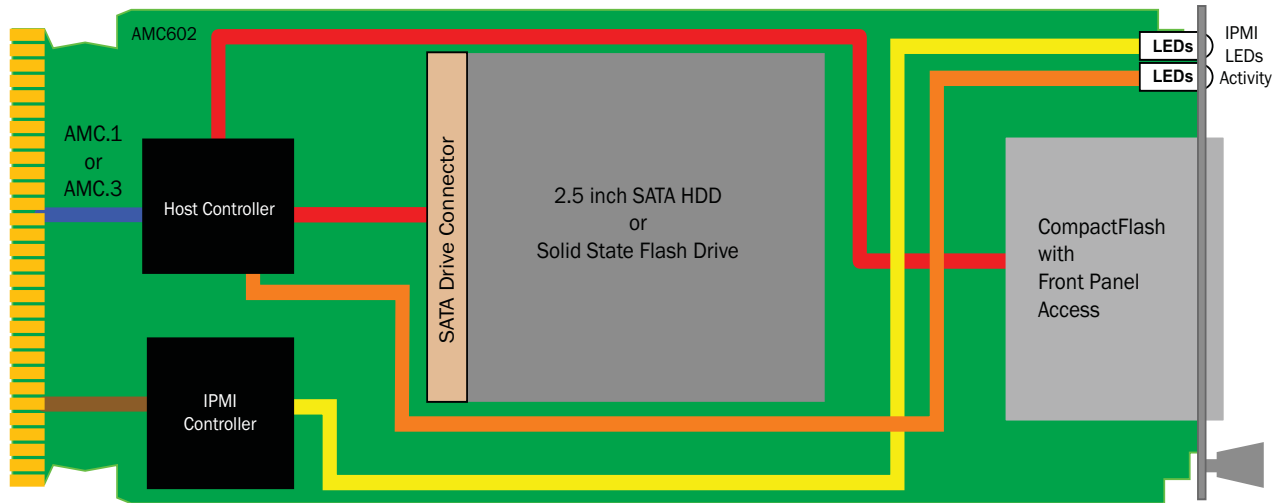


FIGURE 1. AMC602 Functional Block Diagram

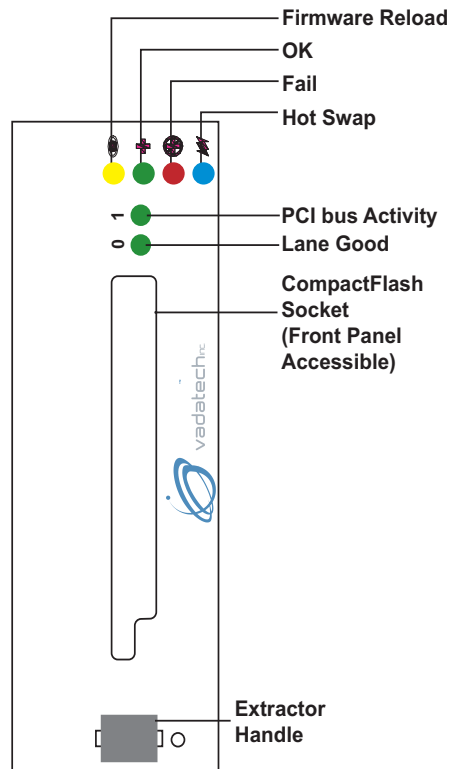


FIGURE 2. AMC602 Front Panel

AMC CompactFlash w/ 2.5 Inch SATA Drive Module

ORDERING OPTIONS

AMC602 - ABC - 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 Flash drive

(Contact Sales for availability)

B = CompactFlash

- 0 = None
- 1 = 4 Gbyte
- 2 = 8 Gbytes
- 3 = 16 Gbytes
- 4 = 32 Gbytes
- 5 = Reserved

C = Height

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

*Available for the SSD option only

D = Temp

- 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 (port 2 of the AMC)
- 3 = AMC.3 (port 3 of the AMC)