AMC 1.8 Inch Removable Dual Drive Module

AMC609





KEY FEATURES

- Two 1.8 inch HDDs, up to 320 Gbytes total
- Available with optional Solid State Flash drives
- AMC.1 or AMC.3 options
- IPMI 2.0 compliant
- RoHS compliant
- OS support for:
 - Linux
 - Windows
 - Solaris
 - VxWorks

The AMC609 has two 1.8 inch HDDs in a single-width, half-height (option for mid/full-height) storage module in the Advanced Mezzanine Card (AMC) form factor. The hard disk drives can support data transfer rates of over 570 Mbits/s and provides up to 160 Gbytes of storage capacity per disk. The AMC609 is ideal for adding high-capacity storage and can run as RAID0 (striping across the two drives for increased space and performance) or RAID1 (mirroring the two drives for fault tolerance). It can also run as two independent disks.

The AMC609 allows one of its disks to be removed via the front panel. This eases the removal/replacement of the disk without taking the entire unit out of the system.

The AMC609 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).



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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) |
| Туре | AMC Storage | Two 1.8 inch HDDs |
| | | Optional Solid State Disk Drives (contact sales for capacity and availability) |
| | | 5400 RPM, < 15 ms average seek time |
| | | Up to 160 Gbytes capacity per drive |
| | | 571 Mbits/s transfer rate |
| Standards | | |
| AMC Connector | Туре | AMC.1 or AMC.3 |
| Module Management | IPMI | IPMI Version 2.0 |
| PCle | Lanes | x1 |
| Configuration | | |
| Power | AMC609 | 4W |
| Environmental | Temperature | Operating Temperature: 0° to 65° C (Air flow requirement is to be greater than 200 LFM |
| | | Storage Temperature: -40° to +90° C |
| | Vibration | Operation 2.0G (15-500Hz) |
| | Shock | Operation 500G/2.0 ms |
| | 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 | MII-217-F > 254,000 (without the disk). | |
| Certifications | Design 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 | |
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| | 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. | |

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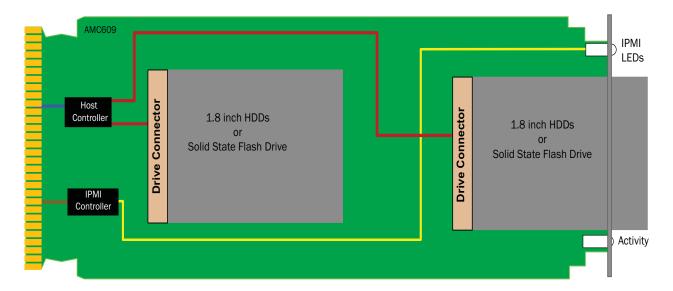


FIGURE 1. AMC609 Functional Block Diagram

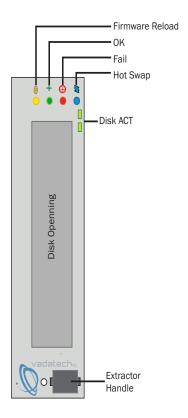


FIGURE 2. AMC609 Front Panel

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ORDERING OPTIONS

AMC609 - ABC - DE0 - 00J

A = Drive Capacity*

- 1 = 80 Gbytes
- 2 = 160 Gbytes
- 3 = 250 Gbytes
- 4 = 320 Gbytes
- 5 = Reserved
- 6 = Reserved
- 7 = 1.8" Solid State Flash Drive (SSD)

(Contact Sales for availability)

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

B = Firmware

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

C = Front Panel Height

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

E = AMC Compliance

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



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^{*}Both disks must be identical