



PROMENTUM AMC-3201/2

SATA/SAS Disk Advanced Mezzanine Card

FEATURE SUMMARY

- Single-Mid-Size 2.5" SAS or SATA Advanced Mezzanine Card (AMC)
- Supports 60GB (AMC-3201) SATA and 73GB (AMC-3202) SAS drives
- Compatible with commercially available 2.5" enterprise SATA rotating-media and FLASH drives
- Front Panel
 - Hot-Swap and activity status LEDs
- Rear connections
 - Dual SAS/SATA ports (AMC.3) to support redundant drive mirroring
 - +12V Power connection
 - IPMI
- Module Management Controller

AMC-3201/2 Single Mid-Size AMC SAS enterprise hard drive storage module is designed with an innovative side mount to minimize the height of the unit and enable it to fit in the Mid-size form factor. This allows it to be installed on high performance blades that have components under the AMC carriers due to their high component density. The AMC-3201/2 is AMC.0 Single Mid-Size AMC (AMC.0 ECN002 pending) and AMC.3 compliant and designed to work in a MicroTCA (μ TCA) shelf. It has two SAS/SATA ports to support mirrored RAID 0 on a host board that provide the capability to do so, such as the RadiSys ATCA-4300 server blade and the RadiSys ATCA-1200 AMC Carrier blade.

PRODUCT DESCRIPTION

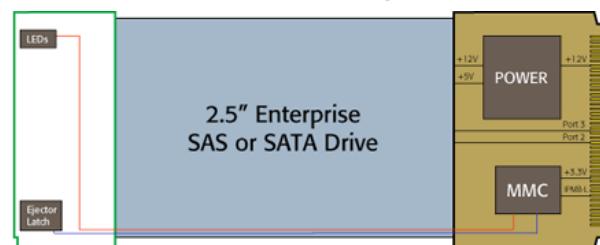
The AMC-3201/2 is a Single Mid-Size AMC that is designed to support mechanically or and electrically, SAS and SATA 2.5" Small Form Factor (SFF) drives. The initial implementation of the AMC-3201/2 and the HDD AMC are 2.5" SAS rotating disk. Future versions of the product will include SATA and FLASH drives. The AMC-3201 and AMC-3202 connect to Ports 2 and 3 per AMC.3 and require adequate +12VDC supply to ensure integrity of operation. All control of the drive is achieved with SCSI commands per SAS or SATA specifications. Out of band management of the drive is achieved with an on-board IPMI based Module Management Controller (MMC) which oversees all hot-swap operations, E-keying and monitors the health of the device, including; temperature and supply voltages.

STANDARDS COMPLIANCE

The AMC-3201 and the AMC-3202 will operate in μ TCA shelf and carrier that conforms to Single Mid-size AMC.0 (with ENC002) electrical¹ and mechanical specifications, and the AMC.3 port connection specifications.

¹See Specification table for +12V requirements

AMC-3201/2 Hardware Block Diagram



Promentum AMC-3201/2 Specifications

Feature	Function	Description
Physical	Dimensions	Single-Mid-size
		180.6 x 73.5 mm
Module Management	IPMI	AMC.0 MMC solution - IPMI Version 1.5
Drive Support	SAS/SATA	AMC-3201- SATA 60GB drive or AMC-3202 - SAS 73GB drive
	SATA	2.5" Rotating 2.5" SFF drives
		2.5" FLASH 2.5" SFF mass storage media
AMC	Connection	B or connection
	Standard	Single Mid-size
		AMC.0 (subject to ECN002) and AMC.3
Front Panel	LEDs	Blue LED for Hot Swap
		Red or Yellow Out of Specification (AMC "LED 1")
		Green Power Good (AMC "LED 2")
		Yellow Blade Status LED (AMC "LED 3")
	Mechanical	Hot Swap extraction ejector
Port connection	AMC.3	2 x SAS or SATA links to ports 2 and 3
Power	Requirements	12W continuous with 25W peak at +12VDC ± 5%
Regulatory	Temperature	5°C to 55°C with SAS drives.
	Safety	UL/EN/IEC 60950-1, CSA 22.2
	EMC	FCC Part 15, Class B, EN 55022: 1998, Class B
		EN 61000-4-2, EN 61000-4-3, EN 61000-4-4, EN 61000-4-5, EN 61000-4-6, EN 61000-4-8
Warranty	-	Two years, parts only (Excluding Disk, disk warranty depends on manufacturer)

Ordering Information

Toll-Free: 800-950-0044

Phone: 503-615-1100

Support: 866-385-6167

Call for pricing and availability. Refer to the order codes below.

Single Mid-size AMC with 60GB SATA hard drive:

Order Code: AMC-3201

Single Mid-size AMC with 73GB SAS hard drive:

Order Code: AMC-3202

Contact Information

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