

Product Highlights

- AMC SAS module, with RAID options
- Two IB-SAS (SFF-8470) connectors
- AMC.1 PCI express x8
- Power and I/O Activity LEDs
- Mid height AMC form factor

Key Applications

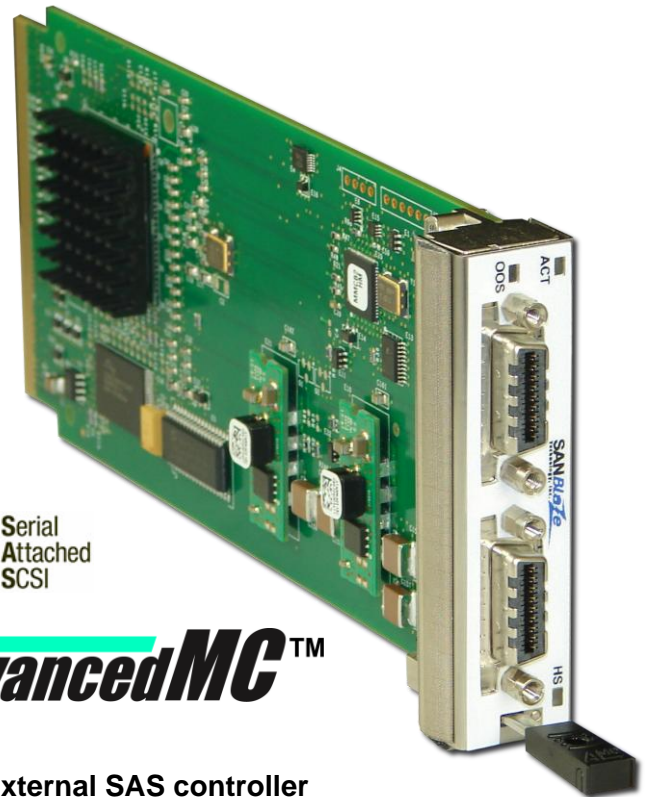
- External Storage connections
- SAS/SATA JBOD capacity expansion
- High performance external backup
- Integrated RAID, low CPU overhead
- MicroTCA or AdvancedTCA platforms

Features

- Supports SAS and SATA HDDs
- SAS transfers 3Gb per port
 - 2400MB/s burst
- Two x4 external SFF-8470 connectors
- 8-lane PCI Express, 2.5GHz
- Supports tape drives
- Connects up to 122 devices
- Optional RAID 0,1 or 1E
- Global hot spare designations
- Integrated IPMI, Rev 1.5, 2.0
- Voltage and thermal sensors
- Drivers for all major OS
- RoHS compliant
- AMC.0 rev.2 front panel compliant
- AMC.1, PCIe signaling option



AdvancedMC™



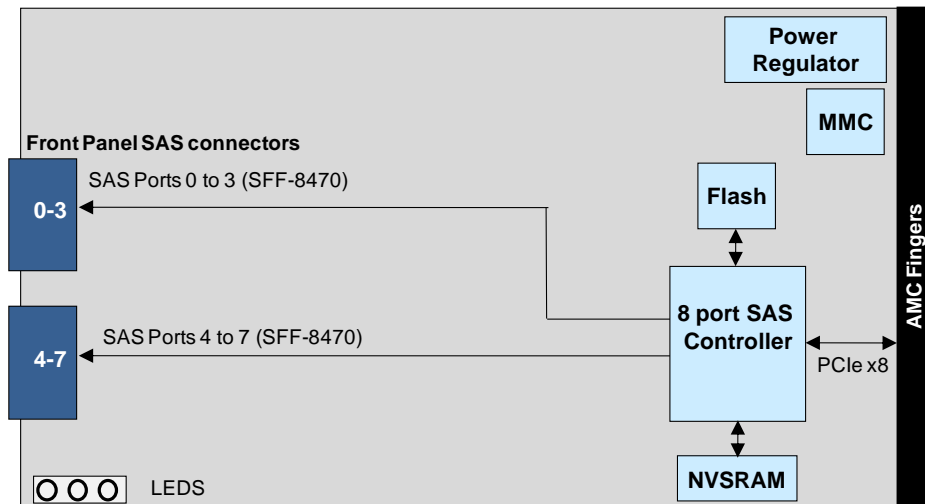
8 Port External SAS controller

The SANBlaze SB-AMC50 is a mid height AMC module that features an integrated SAS controller and IB-SAS front panel connectors to access a wide variety of external storage devices. This module includes eight 3Gb/s serial ports that are compatible with both high performance SAS disks and high capacity SATA drives; this allows the user to choose the best fit disk technology to meet budget and performance goals.

The SANBlaze SB-AMC50 also offers multi-volume RAID0 (striping) and RAID1 (mirroring) capability with global hot spares for quick rebuilds. The OS independent RAID algorithms run in firmware installed on the card, reducing the burden on CPU resources and leaves more CPU cycles for the application. LUN definition and configuration may be accomplished using built-in pre-boot BIOS tools, or with CLI and GUI tools available for several popular operating systems including windows and Linux.

The AMC front panel is available with mid height (MH) or full height (FH) and is AMC.0 rev 2.0 compliant. The module uses enterprise class IB-SAS connectors with locking jack screws. The module also conforms to the PCI-express signaling defined in AMC.1.

SB-AMC50 Block Diagram:



Technical Specifications:

FRONT PANEL CONNECTIONS	MANAGEMENT
Two x4 external SFF-8470 connectors	Intelligent Platform Management Controller (IPMC) Dual Redundant IPMB A/B Interfaces E-Keying Features
AMC CONNECTOR	LEDS AND SWITCHES
X8 PCI express , rev. 1.1-Compliant (2.5MHz) IPMP_L Interface between the carrier and AMC Modules	AMC Failure / Out of Service AMC Hot Swap Power and Activity for each quad port.
OS SUPPORT	POWER
Solaris x86 and SPARC, version 2.8 through 11 Linux 2.6 Kernels (including RHEL3,4,5, SLES8,9,10) Windows 2003, Server 2008 (including IA64, x64, x86 (32-bit))	6W max (12V)
ENVIRONMENTAL CONDITIONS	CERTIFICATIONS
Operating Temperature 0°C to +55°C Storage Temperature -40°C to +105°C Relative Humidity 5% to 90%	FCC Class A, VCCI, CE Designed for safety compliancy: IEC60950, EN60950 EN55022, EN50082
ORDERING INFORMATION:	PHYSICAL
SB-AMC50M	AMC Form Factor Mid height panel

For more information please visit the SANBlaze web site at: www.sanblaze.com
or send email info@sanblaze.com.



SANBlaze is a leading provider of storage solutions for embedded systems, delivering high performance enterprise storage technologies and functionality to the embedded computing market. Our AMC, PMC, ATCA and cPCI board level storage solutions provide maximum design flexibility, ease of integration and cost effectiveness.

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