

Product Highlights

- 2.5" SATA disk
- Extreme environments, 0-85°C
- Superior MTBF, 750K hours
- Full Duty cycle
- Mid or full height AMC form factor

Key Applications

- AMC Storage for AdvancedTCA
- AMC storage for MicroTCA
- Ruggedized applications with extreme environment requirements
- High capacity, best cost-per-GB
- Commercial, Industrial, Defense

Features

- AMC.0 rev.2 front panel compliant
- AMC.3 rev1, storage signaling option
- Operational at 85°C
- Superior shock and vibe tolerance
- Front panel, disk activity LED
- Serial ATA 1.0a compliant
- Serial burst data rate 1.5Gb/s
- S.M.A.R.T support
- Hot swappable
- Tunable SATA link capability
- AMC Port selection feature
- RoHS compliant
- Integrated IPMI



AdvancedMC™

Extreme Environment SATA Disk Module

The SANBlaze SB-AMC62E is an AdvancedMC module featuring new disk technology engineered to withstand the most severe environmental conditions being considered for AdvancedTCA or MicroTCA deployments.

The SB-AMC62E provides remarkable operational endurance withstanding 0-85° C temperatures, 5000 meter altitudes, and tolerates elevated vibration, humidity and shock. Designed for always-on (7 x 24) deployments, the SB-AMC62E fulfills extreme environmental requirements of ruggedized NEBS, ATCA and MicroTCA applications with the price and performance of SATA disk technology.

Available front panel options include full height (FH) or mid height (MH) Advanced Mezzanine Card (AMC). The module is AMC.0 rev 2.0 compliant and uses serial storage signaling defined in AMC.3.

Advanced features of the SB-AMC62E includes new signal integrity 'tuning' circuits to adjust and optimize the high speed SATA serial links to better tolerate imperfections in backplanes; it also includes a port selection switch to route traffic over AMC Port-2 or Port-3 for greater AMC deployment flexibility.

The SB-AMC62E, featuring extreme environment disks, integrates the latest disk technology advancements into mid/full height AMC form factor that supports hot swap.

Technical Specifications:

SB AMC62E	
Capacity:	40 , 80 GB
Performance	
Random Average Seek time:	11 mS (Read)
Average latency:	5.5 mS
Rotational speed	5400 RPM
Buffer size	8MB
Burst Data Rate	1.5 Gbps (150 MB/s)
Front panel bi-color LED	Green=Port2, Amber=Port3, blink=activity
Environmental Conditions	
Operating Temperature	0°C to +85°C
Storage Temperature	-40°C to +95°C
Relative Humidity	5-90% (operating), 5 to 95% (non operating)
Altitude	4500 meters (operating), 15000 (non-operating)
Shock	150 Gs (11ms intervals)
Vibration	2Gs (5-500 Hz)
MTBF	750,000 Hours (drive only)

Ordering Information:

SB-AMC62M080

Base Part Number	Front Panel Height Designation	Drive Size Giga Byte (GB)
SB-AMC62	M= mid F= full	040 080

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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