

Product Highlights

- Solid state disk, no moving parts
- 10x better random read access times
- Superior MTBF
- High shock and temperature tolerance
- Compact, mid or full height AMC panels

Key Applications

- In chassis embedded storage systems requiring high performance
- Extended environmental conditions
- Rugged, high capacity, high throughput, mission critical AdvancedTCA and MicroTCA storage design requirements

Features

- AMC.0 rev 2 front panel compliant
- AMC.3 rev 1 storage signaling option
- Capacity options 32-128GB
- Front panel disk activity LED
- Serial ATA 1.0a compliant
- Serial burst data rate 1.5Gb/s
- High data bandwidth
 - 120-135 MB/s sustained read
 - 70-100 MB/s sustained write
- Extending environmental ranges
- S.M.A.R.T support
- Hot swappable
- RoHS compliant
- Integrated IPMI
- Support field firmware upgrades
- Low power



AdvancedMC™

Solid State Drive Module

The SANBlaze SB-AMC-SSD is a drive carrier module for AdvancedTCA or MicroTCA systems. It utilizes solid state disk technology with multiple capacity and performance options.

Solid state drives (SSD) outperform traditional rotating hard drives and are far superior in terms of reliability, availability and durability, providing an ideal solution for AdvancedTCA and MicroTCA systems that require rugged storage, extended environmental characteristics and increased performance

Available front panel options include full height (FH), mid height (MH) or compact height (CH) 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-AMC-SSD include secure erase to comply with data security requirements of government and security applications; also a port selection switch to route traffic over either AMC Port-2 or Port-3 for even greater deployment flexibility.

The SB-AMC-SSD offers all of the benefits of solid state storage in a compact AMC form factor that supports hot swap.

Technical Specifications:

SB AMC-SSD	SSD SPECIFICATIONS	MANAGEMENT
Capacity:	32-128 GB	Intelligent Platform Management Controller (IPMC) Dual Redundant IPMB A/B Interfaces E-Keying Features
Average Latency	1 ms (Read/Write)	
Max Read Bandwidth:	>200MB/s (Read/Write)	
Max Write Bandwidth	>200MB/s (Read/Write)	CERTIFICATIONS
Data burst rate	3.0Gbps (300MB/s)	FCC Class A, VCCI class A, EN5022 Class A Designed for safety compliancy: IEC60950, EN60950 EN55022, EN50024
Front panel activity LED	AMC power and I/O activity AMC Failure / Out of Service AMC Hot Swap	
Environmental Conditions		AMC CONNECTOR
Operating Temperature	See ordering information	AMC.3 , rev. 1 Compliant IPMP_L Interface between the carrier and AMC
Storage Temperature	-40°C to +90°C	
Altitude	Up to 80,000	
Shock	2G peak (2ms)	
Relative Humidity	5%-95% (Operating)	
Power typical	.65W (idle) / 5W (max)	

Ordering Information:

SB-AMC45M032S

Base Part Number	Front Panel Height Designation	Drive Size Giga Byte (GB)	SSD Operating Temperature
SB-AMC45	M= mid F= full	032 064 128 256*	S= 0°C to +70°C N= 0°C to +85°C
SB-AMC47	C=Compact	032 064 128 256*	S= 0°C to +70°C N= 0°C to +85°C

*Availability 2009

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.

SANBlaze Technology, Inc. • 5 Clock Tower Place, Suite 100 • Maynard, MA. 01754 • Ph: (978) 897-1888 • Fax: (978) 897-3171