

Product Highlights

- AMC.1 NVMe storage
- X4 PCI Express lanes
- One integrated 2.5 NVME SSD
- Support for PCIe Gen3
- Ejector switch
- Compact, mid, or full height front panels

Key Applications

- AMC storage for *MicroTCA*
- ATCA, In chassis embedded storage systems requiring high performance
- Enterprise NVME
- Rugged, high capacity, high throughput, mission critical requirements

Features

- One Integrated 2.5" NVMe SSD
- Support for PCIe Gen3
- High Data Rate
- Capacity options up to 2TB
- S.M.A.R.T support
- Hot Swappable
- Integrated IPMI, Rev 1.5
- RoHS Compliant
- AMC.0 rev 2 front panel LED design
- AMC.1 rev 1, PCIe signaling

AdvancedMC™

NVMe Disk Drive Module



The **SANBlaze SB-AMC30** is an AdvancedMC module that accommodates one enterprise class NVMe disk drive, routed to AMC.1 signal positions. The connection to the PCI Express bus is up to 4 lanes but will support x2 and x1 lane support. There is even an option to support dual port drives.

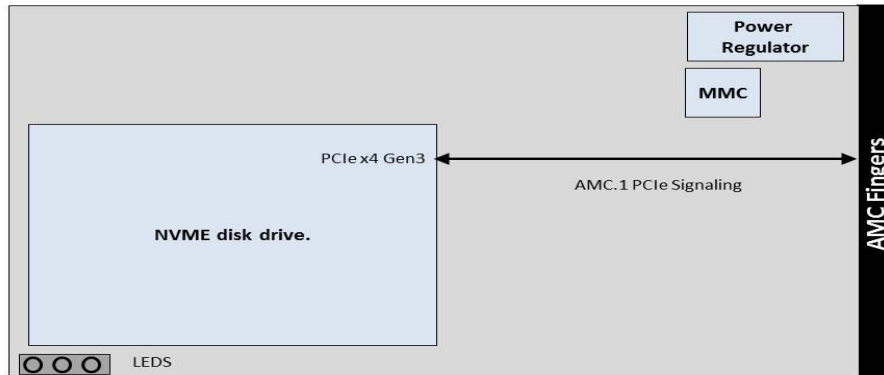
The SB-AMC30 was developed as a single-width AMC, with ship options for compact, mid, or full height panels.

This highly flexible AMC card can physically accommodate any height 2.5" NVMe disk drive up to the max height devices of 15mm.

The module is AMC.0 rev 2.0 compliant and uses PCI Express signaling defined in AMC.1. Its front panel includes several LED status indicators and an ejector latch. The module also incorporates an MMC to monitor and report temperature and voltage statistics.

All hard drives are 2.5" small form factor. Disk capacities up to 2TB are currently available. Please contact your SANBlaze sales representative for a list of qualified drive choices.

Block Diagram:



Technical Specifications:

SB AM30	NVME DISK SPECIFICATIONS	MANAGEMENT
Capacity:	Contact SANBlaze for disk options Current max capacity: 2TB	Intelligent Platform Management Controller (IPMC) Dual Redundant IPMB A/B Interfaces E-Keying Features
MB/s Max sustained		CERTIFICATIONS
Rotational speed		FCC Class A, VCCI, CE Designed for safety compliancy: IEC60950, EN60950 EN55022, EN50082
Front panel activity LED	AMC power AMC Failure / Out of Service AMC Hot Swap	AMC CONNECTOR
Environmental Conditions		
Operating Temperature	5°C to +55°C	
Storage Temperature	-40°C to +70°C	
Relative Humidity	5%-95% (Operating)	AMC.1 Compliant IPMB_L Interface between the carrier and AMC

Ordering Information:

Example: SB-AMC30M2000 (Mid Height Panel, 2TB NVMe Disk)

Base Part Number	Front Panel Height Designation	
SB-AMC30	C- compact M= mid F= full	2TB NVMe Disk

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



SANBlaze Technology, Inc. is a leading provider of storage, networking and multifunction solutions for embedded systems. SANBlaze embedded computing products include a complete line of ATCA storage and compute blades, multifunction RTMs for ATCA blades, and AMC storage and networking controllers and modules. Additionally, the company provides fully configured and integrated ATCA systems and services.