

Product Highlights

- AdvancedTCA Carrier Board
- JBOD (Just a bunch of disks)
- Use SAS, SATA or SSD disks
- 4 Mid Height AMC Slots
- Zone-3 Advanced RTM (x4 SAS)

Key Applications

- ATCA, In-chassis disk expansion
- Diskless server boot
- Hot spare disks for RAID controller

Features

- ATCA PICMG 3.0, Rev 2.0
- AMC.3, storage signaling option
- Front panel status LEDs
- SAS link speeds 3.0Gb/s
- MMC Configurable
- Non-volatile memory for initialization
- Customizable FRU data
- Compatible with Advanced RTM
- Hot swappable AMC
- Integrated IPMI, Rev 2.0
- OEM option, custom zone-3

Regulatory

- RoHS 6/6
- IEC60950, EN60950
- EN55022, EN50024
- FCC, VCCI, EN5022 (Class A)
- Designed For NEBs compliance



AdvancedTCA®

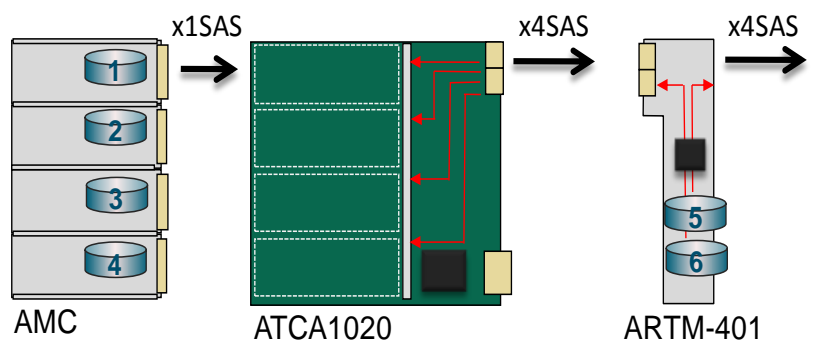
SAS JBOD Blade, 4 AMC Slots

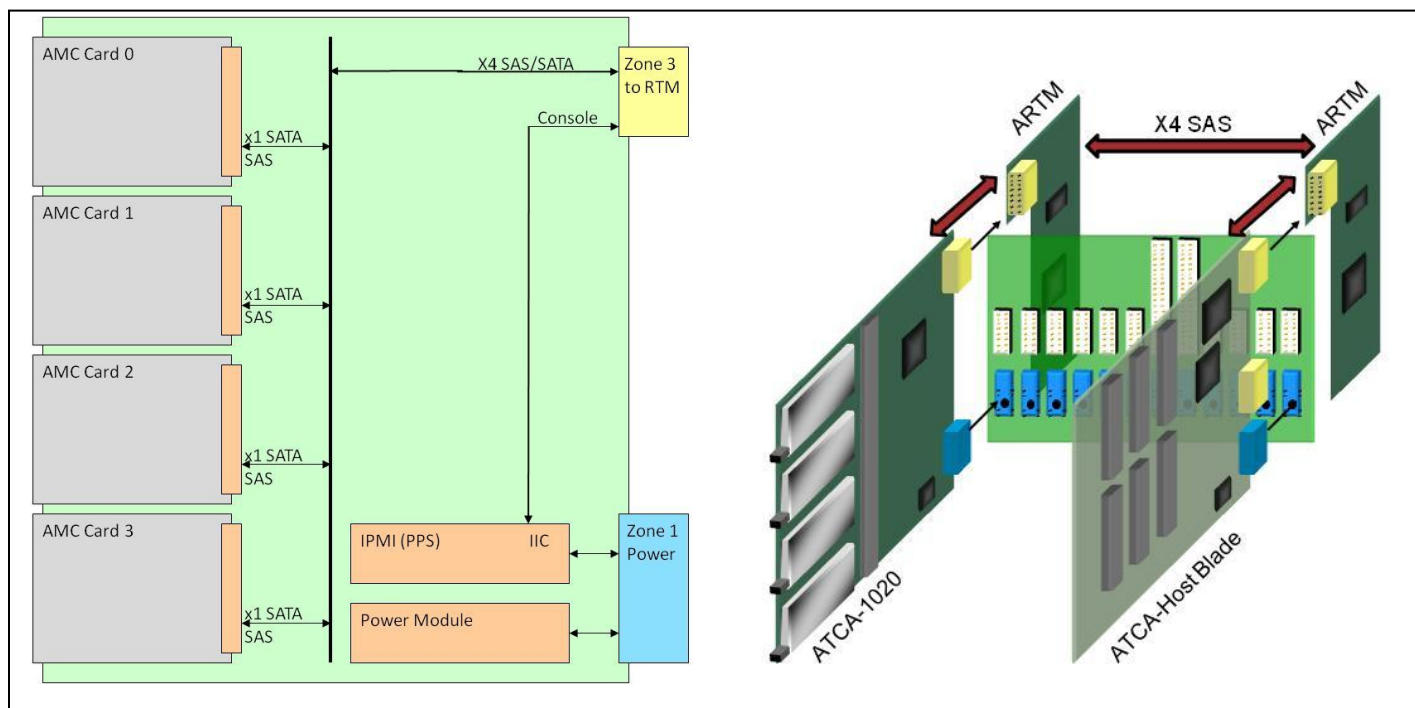
The **SANBlaze SB-ATCA1020** is an AdvancedTCA carrier board providing in-chassis JBOD expansion to accommodate up to four (4) AMC SAS, SATA or SSD drive modules. The SB-ATCA1020 connects the AMC slots to the RTM via zone-3 connector and conforms to the 3-row Advanced RTM standard.

The SB-ATCA1020 blade accommodates up to four mid height (MH) modules, wired with AMC.3 storage signaling. The configuration permits easy in-chassis JBOD, with present capacity options ranging from 200-800GB.

SB-ATCA1020 incorporates power module circuits that supply 80W of power to the AMC slot functions.

The SB-ATCA1020 provides the ideal in-chassis JBOD expansion solution when paired with the SANBlaze ARTM401. When populated with SB-AMC62E extreme environment SATA drives, the solution tolerates an incredible 85C, and remains fully functional.





ATCA-1020 Block Diagram and Deployment Concept

Technical Specifications:

EXPANSION AMC	MANAGEMENT
Up to Four AMC Modules (each with x1 SAS on port #3) Use SANBlaze SATA AMC disk modules Use SANBlaze SAS AMC disk modules Use SANBlaze SSD AMC disk modules	Intelligent Platform Management Controller (IPMC) Dual Redundant IPMB A/B Interfaces E-Keying Features Hot Swap supported
EXPANSION ARTM	LEDS AND SWITCHES
Advanced RTM Module (x4 SAS) IPMP_L Interface between the carrier and AMC Modules	ATCA Failure / Out of Service ATCA LED 2 User Defined ATCA LED 3 User Defined
ORDERING INFORMATION:	PHYSICAL
SB-ATCA1020	ATCA PICMG 3.1 Form Factor Mid-Size AMC Module Support Power Requirements ~ 150 Max watts

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