

Product Highlights

- 3Gb SAS Expander
- One External Molex SAS port (x4)
- Pass-thru LAN Management
- Two SAS, SATA or SSD disks

Key Applications

- Serviceable Disk FRU
- ATCA In chassis disk expansion
- SAS-to-SAS bridging
- Diskless servers

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
- RoHS compliant
- Integrated IPMI, Rev 1.5 and 2.0
- LAN port feeds ATCA blade
- Console port feeds ATCA blade
- OEM option, custom zone-3

Regulatory

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



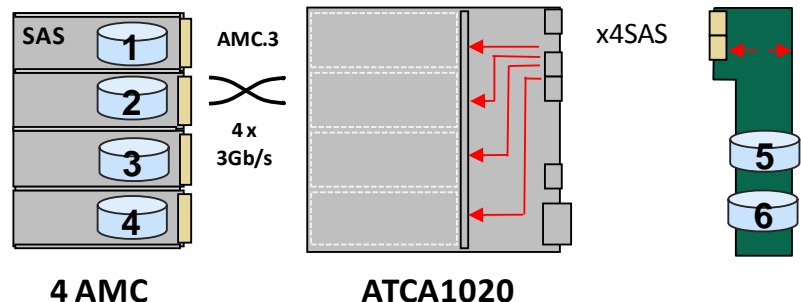
SAS Expander, Dual disk drives

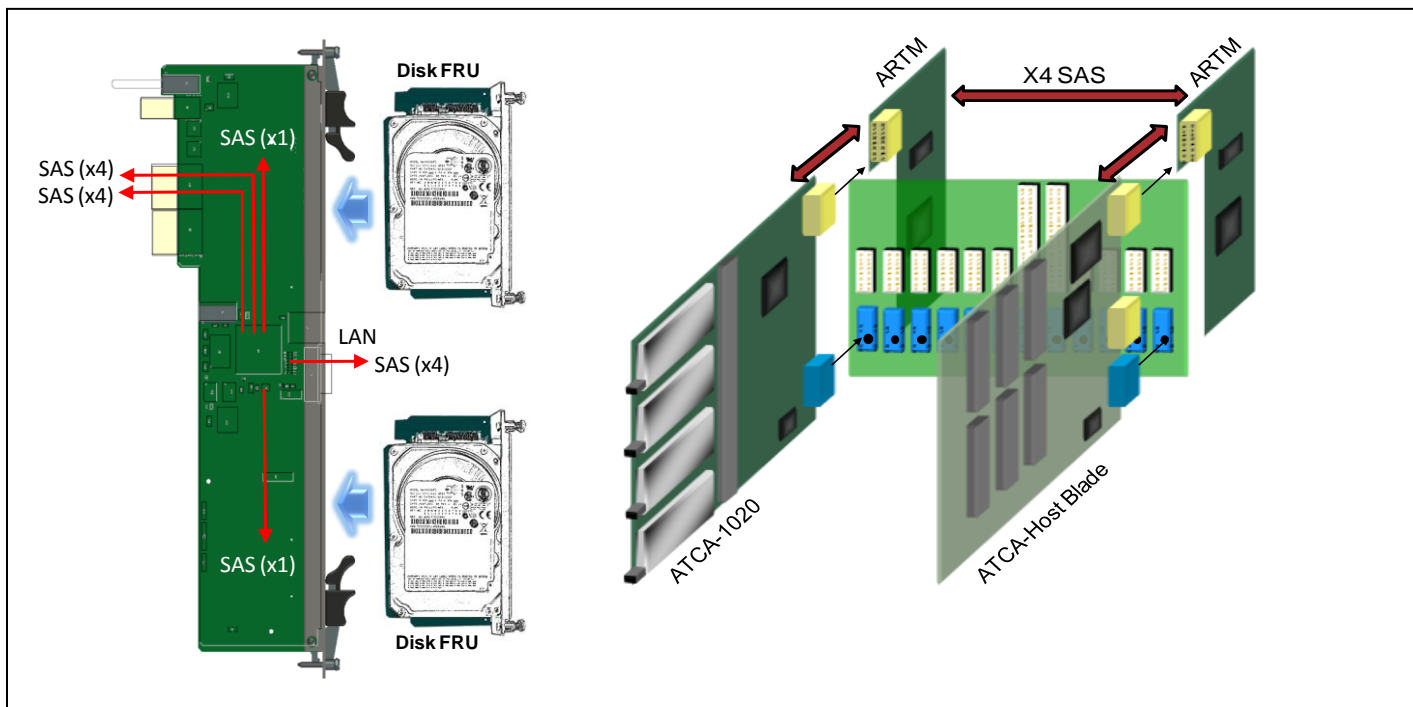
The **SANBlaze SB-RTM431** is a rear transition module (RTM) that features a SAS expander and two removable disk FRU (field replaceable units). The innovative disk sled fits wholly within the RTM thermal envelope, providing a deterministic environment for proper disk cooling. The front ATCA board connection conforms to the 3-row Advanced RTM standard. Buying configurations exist for SAS, SATA or SSD 2.5" disk drives.

On the rear panel, the SB-RTM431 provides a 4-lane IB SAS connector that allows storage expansion to an additional JBOD. It also features a RJ45 Ethernet LAN jack, and options for USB or micro DB9 console communications.

The SB-RTM431 module features a pair of disk slots, secured with thumbscrews that require no special tools to service. The design features an MMC with hot swap notification mechanism to coordinate disk servicing with front blade H8 and the resident operating system.

The SB-RTM431 is compatible with all SANBlaze ATCA storage offerings, and is ideally suited for in-chassis JBOD when paired with the SANBlaze ATCA-1020 JBOD





RTM431 Block Diagram and Deployment Concept

Technical Specifications:

REAR PANEL CONNECTIONS	MANAGEMENT
X4 SAS connector on rear panel, Infiniband style RJ45 LAN pass through to ATCA zone 3 (Optional) Mini DB9 console pass through to ATCA zone 3	Intelligent Platform Management Controller (IPMC) Dual Redundant IPMB A/B Interfaces E-Keying Features
EXPANSION FEATURES	LEDS AND SWITCHES
Two Disk FRU, accommodate any 2.5" form factor (SAS or SATA) Each disk dedicated X1 link, 1.5Gb or 3Gb Technology SAS, SATA or SSD Advanced RTM Module (3 row connector) IPMP_L Interface between the carrier and RTM Modules Console and LAN pass-thru to front ATCA	RTM Failure / Out of Service (OOS) RTM Blue hot swap LED RTM Active (module power)
	PHYSICAL
	ATCA PICMG 3.1 Form Factor 6U x 70mm Power Requirements – 20 Max watts

ORDERING INFORMATION: SB-RTM431D250X (example)

Base Part number	Number of Disk	Drive capacity (GB)	Suffix	Description
SB-RTM431	S= Single Disk D= Dual Disk	None	None	No Disk
		080,160,250,320	None	Standard duty SATA disk (55°C)
		080,160,250	X	Extended duty SATA disk (55°C)
		080	E	Extreme duty SATA disk (85°C)
		032,064,128	S	Standard Duty SSD (70°C)
		032,064,128	N	Extreme Duty SSD (85°C)
		146, 300, 500, 600	Z	SAS disk (55°C)

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