

Product Highlights

- 3Gb SAS Expander
- Two External Molex SAS ports (x4)
- Pass-thru Console, LAN Management
- Max 2 internal drives (optional)
- Use SAS, SATA or SSD disks

Key Applications

- 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
- Supports remote removal authorization
- 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



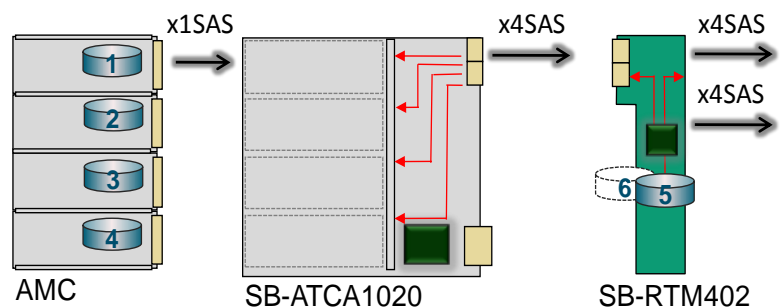
SAS Expander, one disk drive

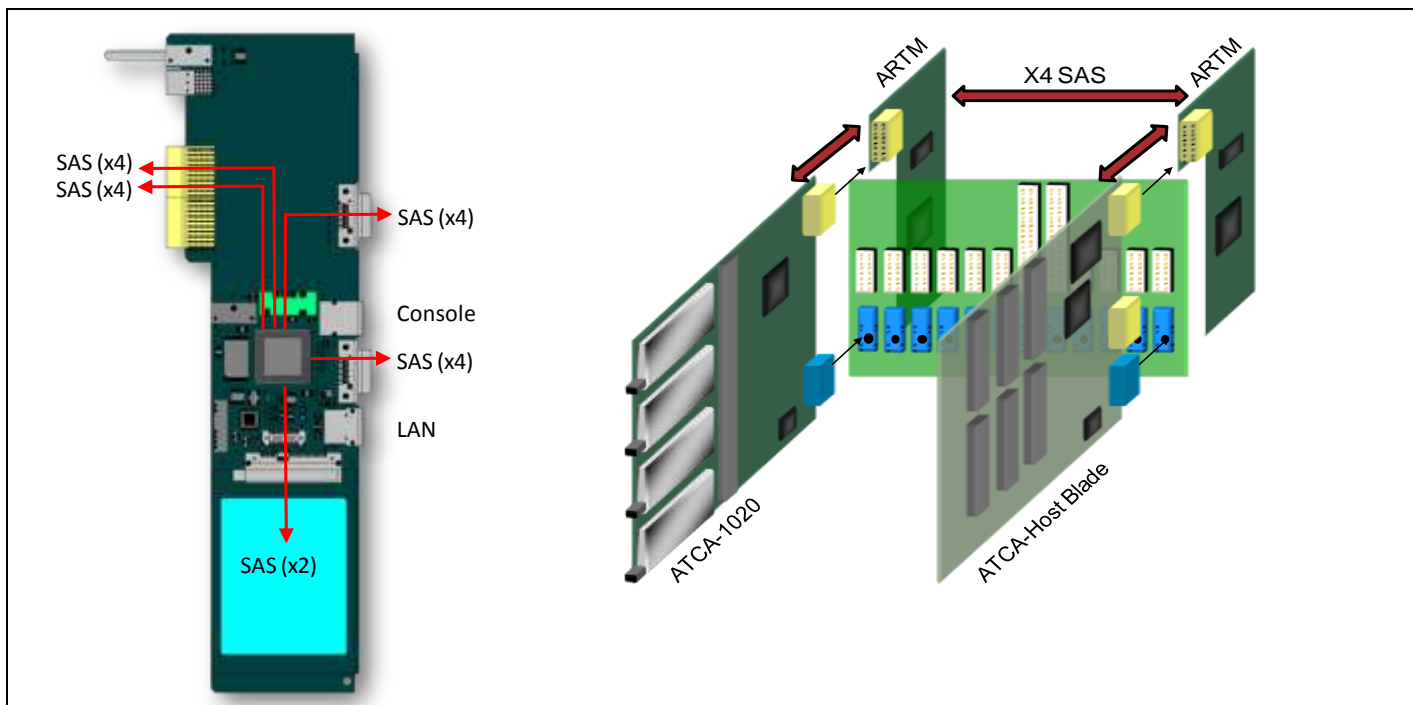
The **SANBlaze SB-RTM402** is a rear transition module (RTM) that features a SAS expander which provides a storage I/O path between the front ATCA board and rear I/O access panel. The front ATCA board connection conforms to the 3-row Advanced RTM standard. Optionally, the module may be populated with up to two (2) SAS, SATA or SSD 2.5" disk drives.

On the rear panel, the SB-RTM402 provides two 4-lane SAS connectors that allow direct connection to an external host blade. The connector pair enable daisy chain SAS for maximum capacity deployments. Each x4 connection is full duplex, providing maximum aggregate data throughputs of 24 Gb per second.

The SB-RTM402 module offers a single site that supports a double stacked disk configuration, with gaps to facilitate airflow and cooling. This configuration permits valuable in-chassis capacity expansion, and can provide over a half terabyte of additional storage.

The SB-RTM402 may also be used to construct an in-chassis JBOD when paired with the SANBlaze ATCA-1020 JBOD.





RTM402 Block Diagram and Deployment Concept

Technical Specifications:

REAR PANEL CONNECTIONS		MANAGEMENT		
Two X4 SAS connector on rear panel, Infiniband style RJ45 LAN pass through to ATCA zone 3 RJ45 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		
Fixed Disks, 2.5" form factor 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)		
ORDERING INFORMATION:		PHYSICAL		
		ATCA PICMG 3.1 Form Factor, 6U x 70mm Power Requirements – under 25 Max watts max		
Base Part number	Number of Disk	Drive capacity (GB)	Suffix	Description
SB-RTM402	S= Single Disk D= Dual Disk (SSD only)	None	None	No Disk
		080,120,160,200,320, 500	None	Standard duty SATA disk (55°C)
		080,120,160	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		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.

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