

**Product Highlights**

- Advanced RTM Board
- 10Gb SFP+ modules
- Pass-thru Console, LAN Management
- Drivers for Linux and Solaris

**Key Applications**

- ATCA high speed network expansion
- Clustering
- Grid computing

**Features**

- ATCA PICMG 3.0, Rev 2.0
- Panel status LEDs
- 10Gb ports (SFP+)
- 1Gb Triple-speed (10M/100M/1G)
- TCP and UDP checksum offload
- CRC32C support
- L1 - L4 IPv4/v6 header parsing
- Jumbo frame support (up to 9216B)
- 16 unique MAC addresses per port/
- 24 DMA channels
- PCIExpress, x8, 2.5Gz
- RoHS compliant
- Integrated IPMI, Rev 1.5, 2.0
- OEM option, custom zone-3



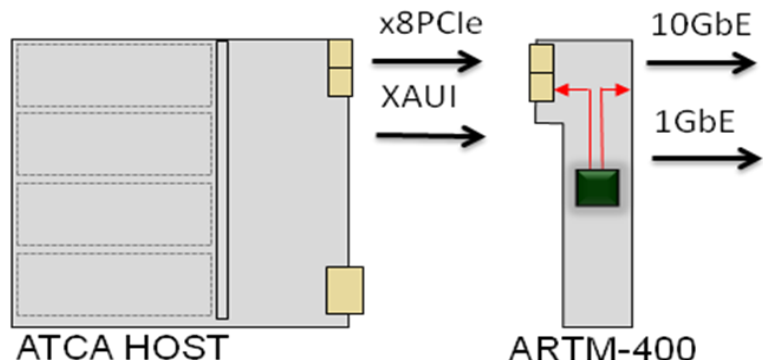
**Advanced TCA®**

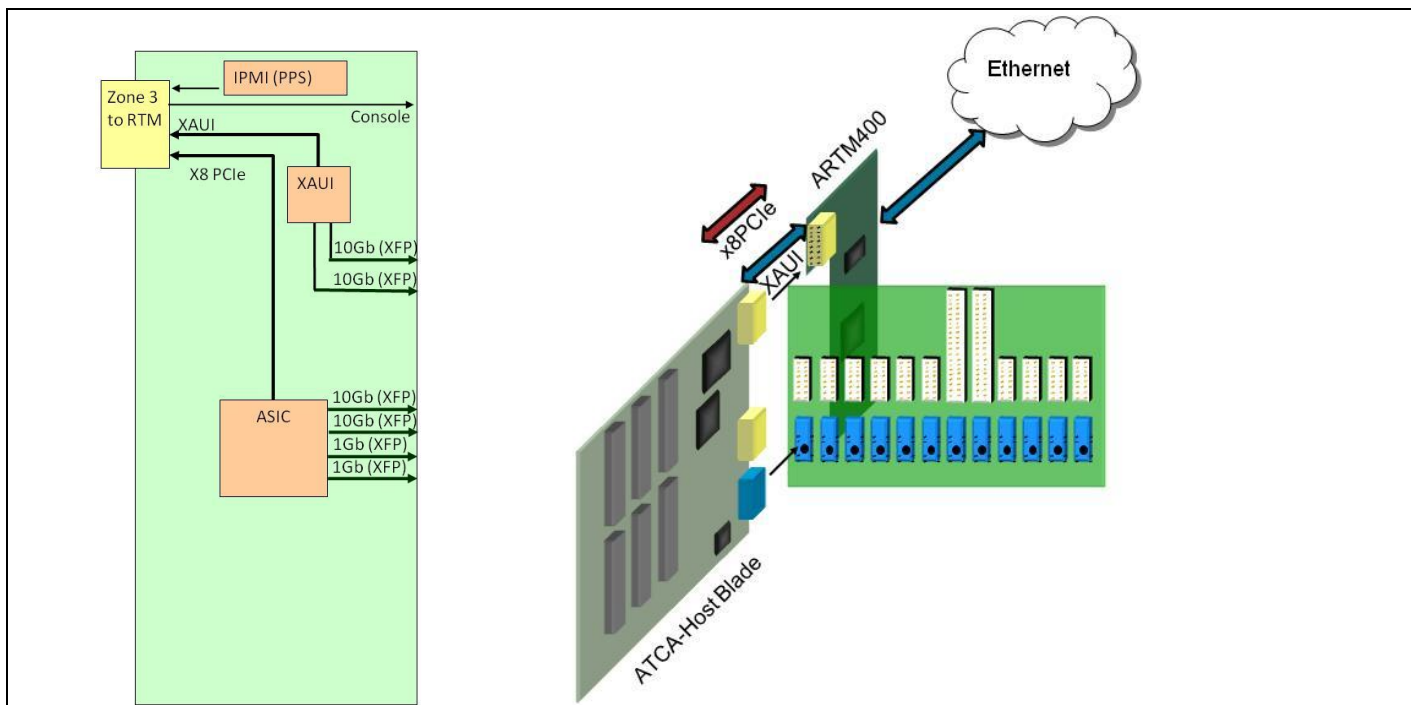
**10Gb Network expansion card**

The **SANBlaze SB-ARTM400** is a Rear transition module (RTM) for AdvancedTCA systems. It provides 10Gb Ethernet expansion for front ATCA CPU node boards. It features four 10 GbE SFP+ and two 1 GbE SFP (small form factor pluggable) connectors on the RTM panel, and currently offered with a 3-row zone-3 connector.

On the rear panel, the SB-ARTM400 provides six ports, and a pair of management ports. Architecturally, these ports connect back to the host blade via the Zone-3 connector which provides PCIe (x8) and 10Gb XAUI signaling. Drivers are provided for several operating systems and CPU's including Intel®, AMD® and SPARC®.

The SB-ARTM400 has the flexibility to support several SBC architectures that seek to segregate local zone-2 fabric traffic from the external network traffic. The RTM also provides an MMC implementation modeled after the AMC specifications.





**ARTM400 Block Diagram and Deployment Concept**

**Technical Specifications:**

REAR PANEL CONNECTIONS	MANAGEMENT
Four *SFP+ 10Gb Ethernet Two *SFP 1Gb Ethernet 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
Advanced RTM Module (3 row connector) IPMP_L Interface between the carrier and ARTM Modules Console and LAN pass-thru	ARTM Failure / Out of Service ARTM Hot Swap Activity and link for all Ethernet ports.
ORDERING INFORMATION:	PHYSICAL
<b>SB-ARTM400</b>	ATCA PICMG 3.1 Form Factor 6U x 70mm Power Requirements –25 Max watts

**\*This module ships without SFP+, SFP**

For more information please visit the SANBlaze web site at: [www.sanblaze.com](http://www.sanblaze.com)  
 or send email [info@sanblaze.com](mailto: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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