Product Highlights

- AdvancedTCA, Dual 10GbE Fabric PICMG 3.1 Option 1,9
- Two 6-core Intel® XEON® CPU
- Up to 96GB main memory
- Rich Multifunction RTM selection
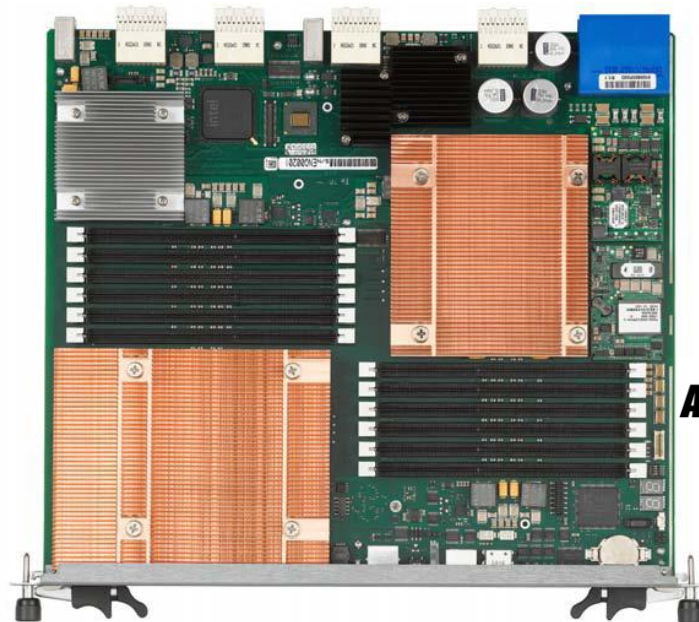- SANBlaze storage blade compliant

Key Applications

- Data or packet processing
- Carrier Enterprise Server applications
- VMware® hosting

Features

- ATCA PICMG 3.0, Rev 2.0
  - Redundant 10Gb Fabric
  - Redundant 1Gb Base
- Choose Two Intel® Xeon® Processors
  - E5638 (6 core)
- Six independent memory Channels
  - DDR3-800/1066/1333
  - From 2 to 96GB configurations
- SANBlaze ARTM compatibility
  - FC, Video, SAS/SATA, RS232, 10GbE
- Dual Star Fabric (Intel 10Gb XAUI 82599)
- Front Panel I/O
  - 1GbE, USB, Video, Console
- Expansion via RTM x8 PCI Express™
- Expansion via zone2 update channel
- External Boot via SANBlaze storage
  - iSCSI, FCoE or NFS Ver3
  - boot on Base or Fabric
- (Option) Onboard SSD for local boot
- Remote configuration and Setup
  - Serial over LAN BIOS redirection
- Power 230W-270W (typical)

Regulatory

- RoHS 6/6
- IEC60950-1, EN60950-1
- EN55022, EN50024
- FCC, VCCI, EN5022 (Class A)
- Designed for NEBs and ETSI compliance
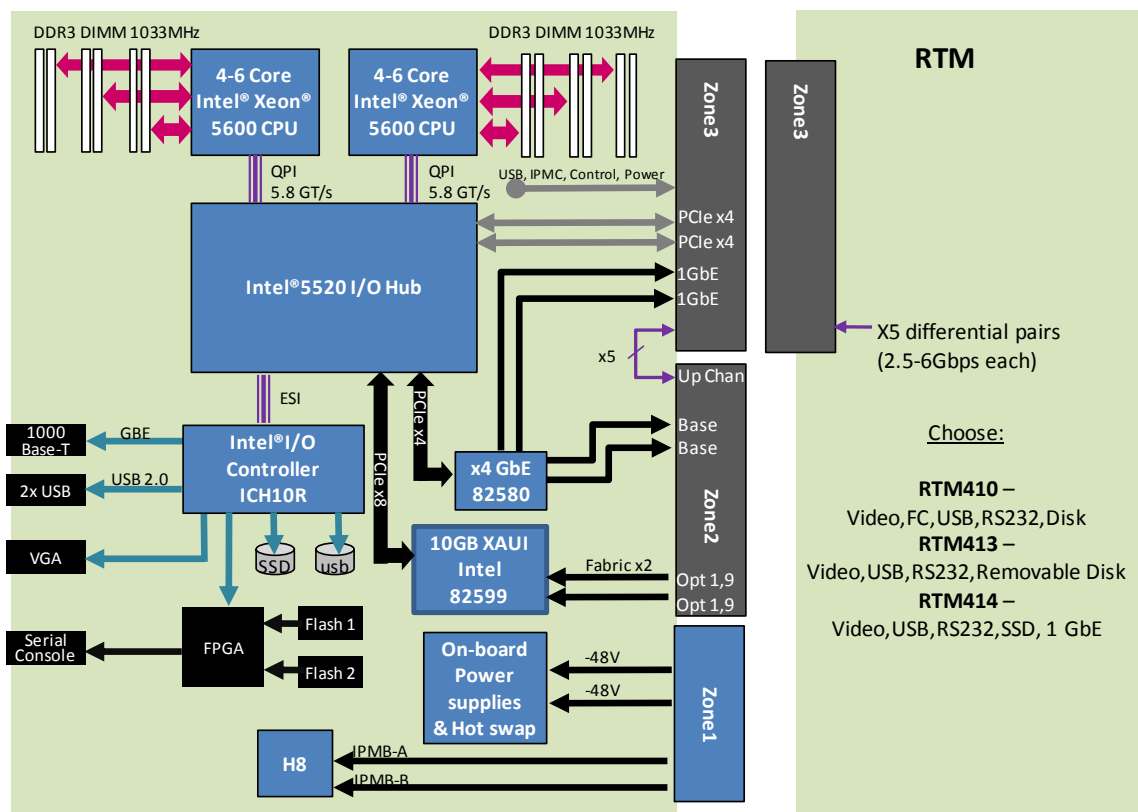

AdvancedTCA® Processor Blade

The **SANBlaze SB-ATCA7300** is an Intel® Architecture server blade that offers scalable, high-performance computing power for tasks that store, process and forward large amounts of data.

Featuring two 6-core Intel® Xeon® processors, and up to 96GB of DDR3 memory, the **SB-ATCA7300** delivers true 64-bit SMP computing for faster application execution in both virtualized and non-virtualized OS environments. Its PICMG® 3.1 compliant backplane provides redundant 10 Gigabit Ethernet (10Gbps) connections that are ideal for pipelined packet processing.

The **SB-ATCA7300** conforms to the AdvancedRTM zone-3 definition, making it compatible with numerous RTM released by SANBlaze and other 3rd party suppliers. Available RTM selections include numerous options for mass storage Fibre channel I/O, SAS/SATA/SSD disks, Video, USB, modem and 10Gb Ethernet. Common RTMs mean you manage fewer products, which simplifies forecasting and field service requirements.

For applications where reliability and service level agreements (SLA) rule the day, this blade employs AdvancedTCA® (ATCA®) technologies such as intelligent platform management control (IPMC), redundant power supplies, and dual star fabric interconnect. With ATCA, your commercial IT applications enjoy improved serviceability, power and space efficiency over typical rack mount server-based solutions.

SB-ATCA7300
High Performance Intel® Server Blade

ATCA-7300 Block diagram

Technical Specifications:

EXPANSION CONNECTIVITY	MANAGEMENT
Two x4 PCI Express to RTM Two 1 GbE Ports to the ATCA Backplane (Base), two more to RTM Two 10GigE Ports to the ATCA Backplane (Fabric)	Intelligent Platform Management Controller (IPMC) Dual Redundant IPMB A/B Interfaces
PROCESSORS	LEDS AND SWITCHES
Intel XEON E5638 (2.0 GHz), 64-bit EM64T and SMP QuickPath Interface (QPI) – 5.86 GT/s 12MB L2 Cache (per processor)	ATCA Failure / Out of Service - Red ATCA LED 2 Blade health – Green/Amber ATCA Hot Swap LED - Blue
RTM Expansion	SOFTWARE, PRE-LOADED APPLICATIONS
GbE, and Console ports, Video, FC, SAS, SATA or SSD	VMWare® ESXi CLI configuration tools
FLASH	DDR2 CACHE MEMORIES
4MB USB-NAND Flash (1 Each Primary and Redundant) 16MB USB or 64MB SSD Non-volatile Persistent Memory (optional)	CPU: DDR3 800/1066/1333 MHz, 72b , 2-96GB Six independent memory channels (12 DIMM slots)
ORDERING INFORMATION:	PHYSICAL
SB-ATCA73XX – (assembly# 600-730000) XX denotes build options for CPU, memory and flash configurations	ATCA PICMG 3.1 Form Factor, 8U, 280 mm X 322.5 mm, 0-55°C, or +5-35°C (function of CPU selection @ 40CFM) Dual-redundant -48VDC

**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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