aTCA-6892

Dual 64-bit Intel® LV Xeon® Dual Fibre Channel AdvancedTCA® Processor Blade



Features

- Dual 4Gbps Fibre Channel links
- Dual Intel® LV Xeon® FSB 800MHz, Hyper-Threading processors
- Intel® EM64T 64-bit Extended Memory Technology
- Dual DDR2-400 REG/ECC channels with 16GB maximum capacity
- 64-bit 33/66/100/133MHz PCI/PCI-X PMC
- Dual 1000BASE-BX GbE Fabric interface channels

Specifications

CPU / Chipset / RAM

CPU & FSB	Dual Intel® Low Voltage Xeon® 2.8GHz, FSB 800 MHz, 1MB L2 Cache (FCmPGA4)
Chipset	Intel® E7520 MCH, 6300ESB ICH, 6700PXH Bridge
RAM	Four DDR2-400 REG/ECC 240-pin DIMM sockets, up to 16 GB

BIOS

Chip	Award BIOS with 4Mb flash memory
Features	Intel® PXE pre-boot
	Remote Console

I/O Interfaces

Graphics	ATI RageXL with 8MB VRAM, up to SXGA (1280 x 1024) resolution
PMC	PMC: PCI/PCI-X 64-bit 66/100/133MHz capable
Ethernet	Dual 10/100/1000BASE-T Base interface channels
	Dual 1000BASE-BX Fabric interface channels
	Dual 10/100/1000BASE-T GbE ports (optional)
	Dual 2Gbps/4Gbps Fibre Channel links
Storage	Dual ATA-33/66/100 channels
	On-board DMA-enabled CompactFlash socket
	On-board 2.5" ATA HDD kits
USB	Dual USB 2.0 ports
Front Panel I/O	FC1/2, PMC, VGA, USB1/2, COM

PICMG Standard

AdvancedTCA	PICMG® 3.0 R2.0 ECN001
	PICMG® 3.1 Ethernet/Fibre Channel Over PICMG® 3.0 R1.0, Option7

Other features

Operating System	Microsoft® Windows® XP Professional x64, Red Hat Linux® 9.0, Fedora™ Core 4, OW Linux® 3.2

Mechanical and Environmental

Form Factor	PICMG® 3.0 R2.0 ECN001 AdvancedTCA®
Dimensions	322.25mm x 280mm x 6HP (L x W x H)
Weight	3.6 kg / 8 lb
Operating Temp.	0°C to 45°C
Storage Temp.	-20°C to 80°C
Humidity	5% to 95%, non-condensed
Shock	15G peak-to-peak, 11ms duration, non-operation
Vibration	Non-operation: 1.88Grms, 5-500Hz each axis Operation: 0.5Grms, 5-500Hz each axis
Power Consumption	aTCA-6892/Dual LV-Xeon 2.8G/4GB: 175W
Certifications	FCC, CE, CUL, NEBS Level 3 (design)

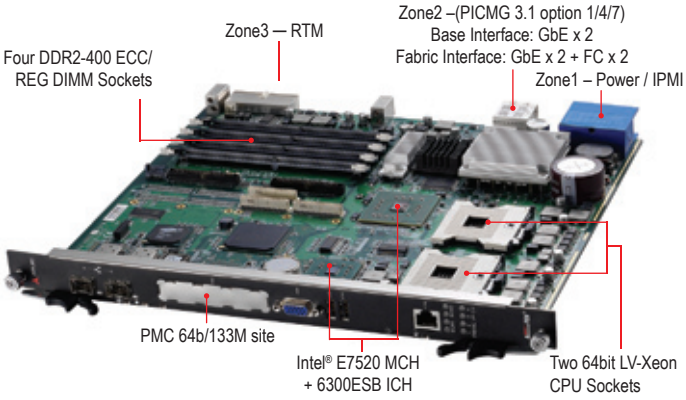
Ordering Information

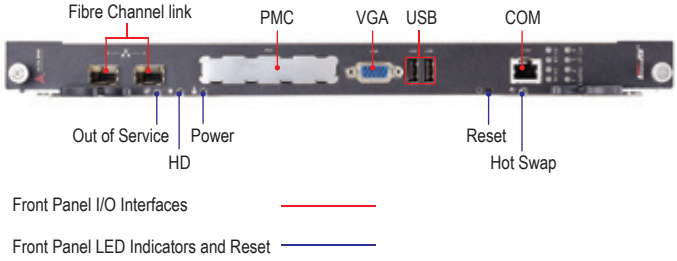
Modules

Model Number	Description/Configuration
aTCA-6892/DX28/M2G	Dual 2.8GHz LV-Xeon Fibre Channel AdvancedTCA® CPU Blade with DDR2-400 1GB RDIMM x2

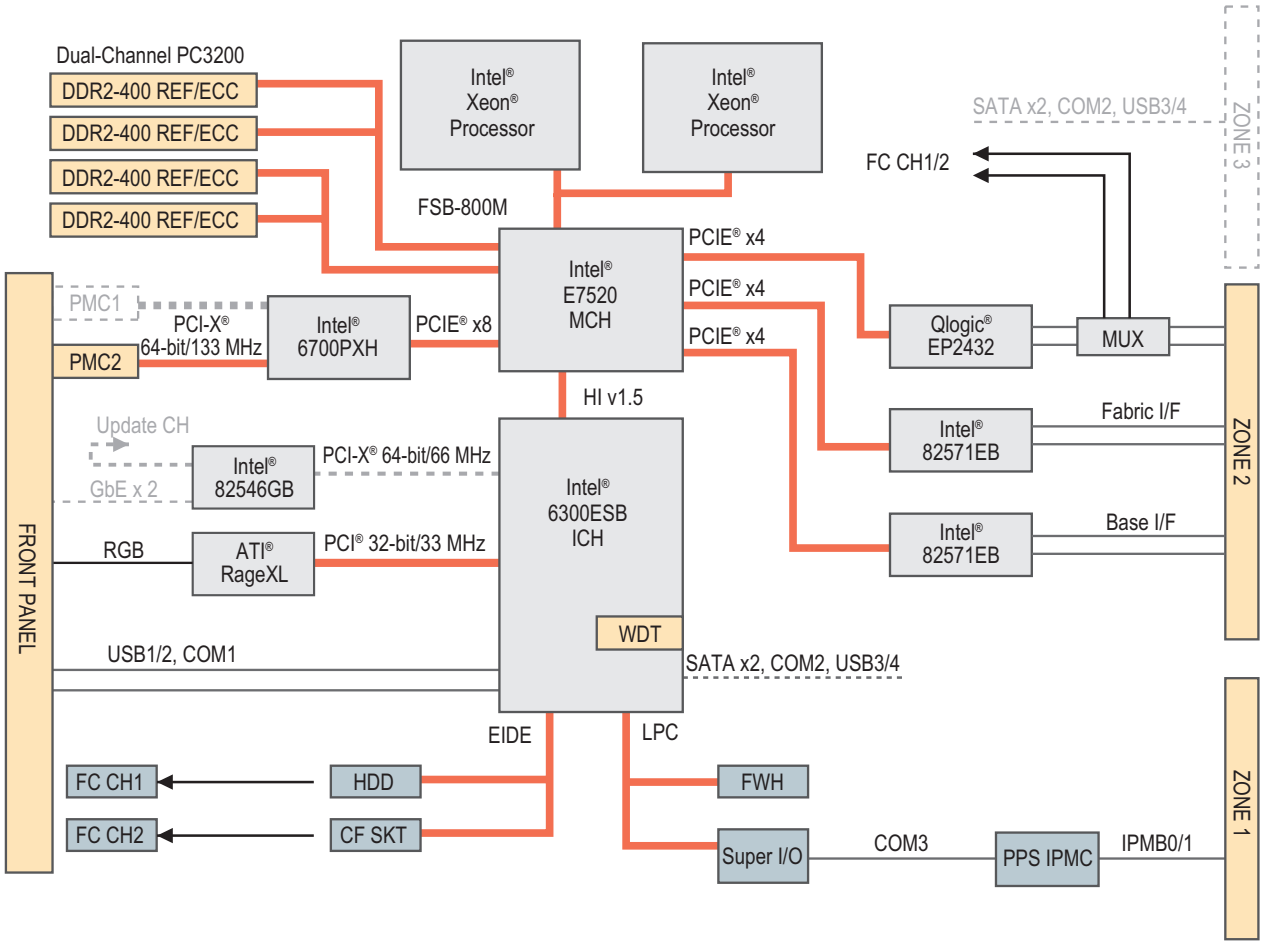
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Mechanical Layout





Functional Diagram



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