

aTCA-9300

Intel® Xeon® E3 Quad-Core 10 Gigabit Ethernet
AdvancedTCA® Processor Blade

NEW



Features

- Intel® Xeon® E3 Quad-Core or Core™ i3 Dual-Core Uniprocessor
- DDR3 1600/ECC memory up to 32 GB maximum capacity
- Intel® C216 chipset
- Single AMC.0 Mid-size bays
- Dual 10GBASE-KX4/1000BASE-BX Fabric Interface channels
- RAID 0/1/5 SATA ports
- Support Intel® DPDK and Media SDK

AdvancedTCA®

Specifications

CPU / Chipset / Memory

CPU	Single Quad-Core Intel® Xeon® E3-1275V2 3.5GHZ,8 MB, L2 Cache Single Quad-Core Intel® Xeon® E3-1275V2 3.2GHZ,8MB, L2 cache Single Dual-Core Core™ i3 3.3GHZ,3MB L3 cache
Chipset	Intel® C216 Chipset
Memory	Four DDR3-1600 240 PIN VLP UDIMM sockets, up to 32 GB

BIOS

Chip	AMIBIOS®8 on SPI flash memory
Features	Intel® PXE pre-boot

I/O Interfaces

Graphics	Intel® Integrated HD Graphics with DirectX 11 support, up to UXGA 1920 x 1400 resolution
AdvancedMC	AMC: AMC.0 Mid-size, AMC.1 Type4, AMC.2 E2/Type 3, AMC.3 S2
Ethernet	Dual Base Interface channels Dual 10GBASE-KX4/1000BASE-BX Fabric Interface channels Six 10/1001000BASE-T Egress ports
Storage	AMC.3 SATA 3 Gb/s ports On board bootable CFast socket
USB	Two USB 2.0 ports
Front Panel I/O	

PICMG Standard

AdvancedTCA	PICMG® 3.0 R3.0 PICMG® 3.1 Ethernet Over PICMG 3.0 R1.0 , Option1/9
AdvancedMC	PICMG® AMC.0: Advanced Mezzanine Card Specification R2.0 PICMG® AMC.1: PCI Express and Advanced Switching R1.0 PICMG® AMC.3: Storage Interfaces R1.0

Other Features

Operating System	Windows® XP Professional, Windows® Server 2008, Red Hat Enterprise Linux® 6
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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	TBD
Operating Temp.	0°C to 50°C
Storage Temp.	-20°C to 80°C
Humidity	5% to 95%, non-condensing
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	TBD
Certifications	FCC, CE, UL, NEBS Level 3 (design)

Ordering Information

Model Number	Description/Configuration
aTCA-9300/S1275V2	Single Quad-Core E3 1275V2 3.5 GHz Xeon® 10GbE processor blade, 8 PCIe lanes to RTM
aTCA-9300/S1225V2	Single Quad-core E3 1225V2 3.2GHz Xeon® 10GbE processor blade, 8 PCIe lanes to RTM
aTCA-9300/S3220	Single Dual-Core Core i3 3.3GHz 10GbE processor blade, 8 PCIe lanes to RTM
aTCA-9300/S1275V2/AMC	Single Quad-core E3 1275V2 3.5GHz Xeon® processor blade W/ AMC bay, 12 PCIe lanes to RTM
aTCA-9300/S1225V2/AMC	Single Quad-core E3 1225V2 3.2GHz Xeon® processor blade W/ AMC bay, 12 PCIe lanes to RTM
aTCA-R6270	Rear Transition Module with USB2.0 x2, SFP+ 10GbE port and SATA drive bay x2 (hot swappable)