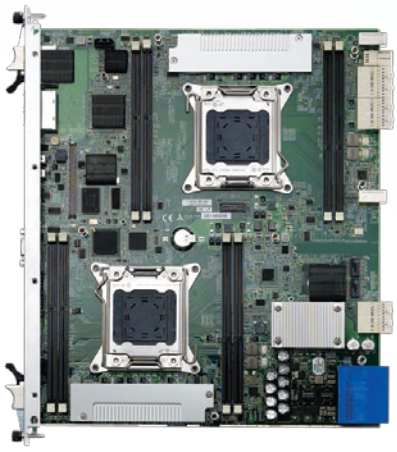
aTCA-9700

Dual Future Intel® Xeon® E5-2600 v2 Family 40 Gigabit Ethernet AdvancedTCA® Processor Blade

NEW



Features

- Two future Intel® Xeon® processor E5-2600 v2 family (10C/20T)
- Eight memory sockets support VLP DDR3-1866 REG/ECC up to 128 GB
- Intel® C604 PCH
- Quad 40GBASE-KR4 Fabric Interface channels
- Dual Intel® Communications chipset 8920
- Intel® Hyper-Threading Technology
- Intel® QuickPath Interconnecnt

AdvancedTCA®

Specifications

CPU / Chipset / Memory

CPU	Two future Intel® Xeon® processor E5-2600 v2 family (10C/20T) Socket R
Chipset	Intel® C604 PCH
Memory	Eight DDR3-1866 240-pin VLP RDIMM sockets, up to 128 GB

BIOS

Chip	AMI BIOS on SPI flash memory
Features	Intel® PXE pre-boot
	Remote Console

I/O Interfaces

Graphics	Silicon Motion SM750, PCIe x1, up to 1920 x 1440 resolution
Ethernet	Dual 10/100/1000BASE-T Base Interface channels
	Quad 40GBASE-KR4 Fabric Interface channels
	Dual Front Panel 10/1001000BASE-T egress ports
Storage	On-board bootable 16G SATA flash (up to 64G)
USB	Two USB 2.0 ports on front panel
Front Panel I/O	VGA, USB1/2, LAN1/2/3/4, COM (mini-USB) 1/2

PICMG Standard

AdvancedTCA	PICMG 3.0 R3.0
	PICMG 3.1 Ethernet Over PICMG 3.0, Option 9-KR

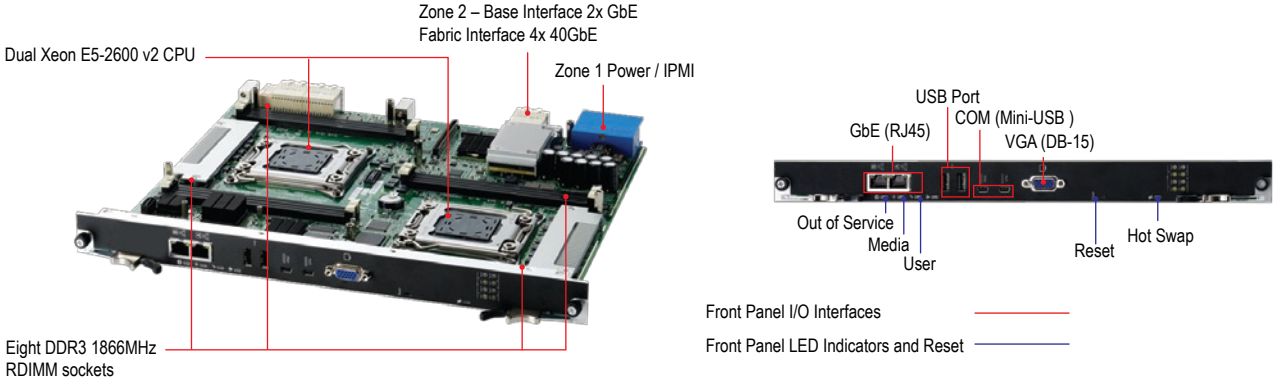
Other Features

Packet Processing Acceleration	Dual Intel® Communications Chipset 8920
Operating System	Windows Server 2008 R2, Red Hat Enterprise Linux 6, VMware certified, Intel® DPDK supported

Mechanical and Environmental

Form Factor	PICMG 3.0 R3.0 AdvancedTCA
Dimension	322.25mm x 280mm x 6HP (L x W x H)
Weight	3.85KG
Operating Temp.	0 to 55˚C
Storage Temp.	-40˚C to 70˚C
Humidity	5% to 95%, non-condensed
Shock	20G 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	300W with E5-2600 v2 (95W), 340W with E5-2600 v2 (115W)
Certification	FCC, CE, UL, NEBS Level 3 (design)

Mechanical Layout



Functional Diagram