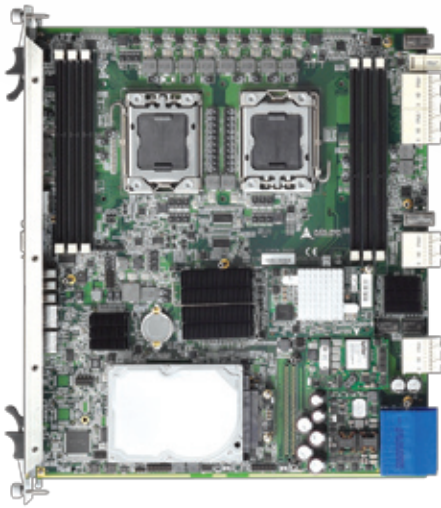


aTCA-6100

Dual Quad-Core Intel® Xeon® L5518 Processor
AdvancedTCA® Processor Blade with 10GbE Fabric Interface



Features

- Two Quad-Core Intel® Xeon® L5518 processors
- Six memory sockets support DDR3-1333 REG/ECC up to 48 GB maximum capacity
- Intel® 82599 10GbE controller provides two 10GBASE-KX4 ports on Fabric Interface
- Intel® Hyper-Threading Technology support for multi-threaded software applications
- Single AMC.0 Mid-size bay (optional)

Intel® Ethernet

Specifications

CPU / Chipset / Memory

| | |
|---------|--|
| CPU | Two Intel® Xeon® L5518 (4C/8T) 2.13GHz, QPI 5.86 GT/s, 8 MB L2 Cache (LGA1366) |
| Chipset | Intel® 5520/ICH10R chipset |
| Memory | Six DDR3-1333 240-pin RDIMM sockets, up to 48 GB |

BIOS

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

I/O Interfaces

| | |
|-----------------------|--|
| Graphics | ATI ES1000 with 64 MB VRAM, up to UXGA 1600 x 1200 resolution |
| AdvancedMC (optional) | One AMC.0 Mid-size bay: AMC.1 Type 4, AMC.2 E2 / Type 4 to Fabric, AMC.3 S2 |
| Ethernet | Dual 10/100/1000BASE-T Base Interface channels Dual 10GBASE-KX4 Fabric Interface channels Dual 10/100/1000BASE-T Egress ports |
| Storage | On-board 2.5" SATA II HDD On-board bootable 4 GB USB NAND flash Dual AMC.3 SATA-II ports (Port2) (optional) Dual AMC.3 SAS ports (Port3) (optional) |
| USB | Three USB 2.0 ports on front panel |
| Front Panel I/O | AMC (optional), VGA, USB1/2/3, LAN1/2, COM1 |

PICMG Standards

| | |
|-------------|--|
| AdvancedTCA | PICMG® 3.0 R2.0 ECN002 PICMG® 3.1 Ethernet Over PICMG® 3.0 R1.0 , Option 1/9 |
| AdvancedMC | PICMG® AMC.0: AdvancedMC™ Card Specification R2.0 PICMG® AMC.1: PCI Express and Advanced Switching R1.0 PICMG® AMC.2: Gigabit Ethernet R1.0 PICMG® AMC.3: Storage Interfaces R1.0 |

Other Features

| | |
|------------------|--|
| Operating System | Windows® Server 2008, Windows® Server 2003, Red Hat Enterprise Linux 5.3 |
|------------------|--|

Mechanical and Environmental

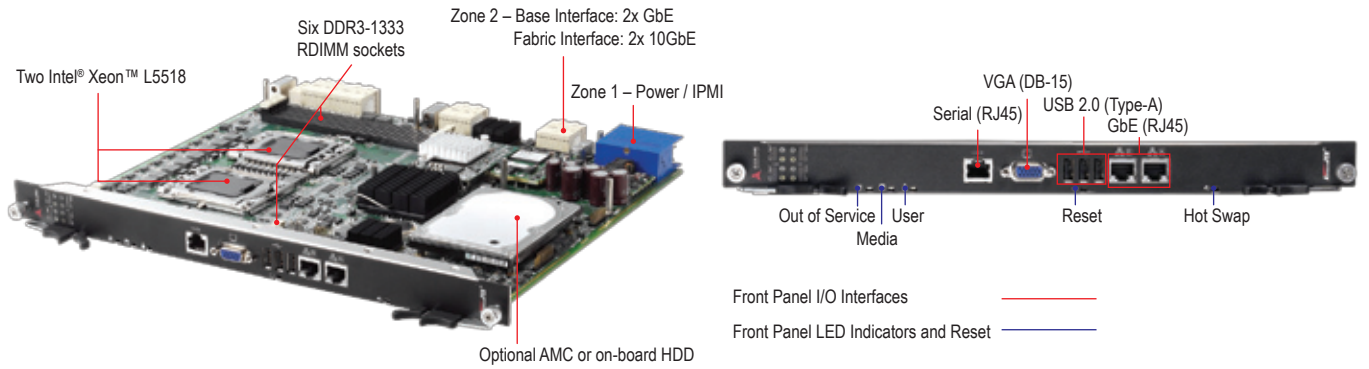
| | |
|-------------------|---|
| Form Factor | PICMG® 3.0 R2.0 ECN002 AdvancedTCA® |
| Dimensions | 322.25mm x 280mm x 6HP (L x W x H) |
| Weight | 4.1 kg / 9 lbs |
| Operating Temp. | 0°C to 50°C |
| Storage Temp. | -40°C to 70°C |
| Humidity | 5% to 95%, non-condensed |
| Shock | 20G peak-to-peak, 11ms duration, non-operation |
| Vibration | Non-operation: 1.88Grms, 5-500Hz each axis Operation: 0.5Grms, 5-500Hz each axis |
| Power Consumption | 200W |
| Certification | FCC, CE, CUL, NEBS Level 3 (design) |

Ordering Information

Modules

| Model Number | Description/Configuration |
|---------------------------------|---|
| aTCA-6100/D5518/M4G/250 | Two L5518 Quad-Core 2.13GHz Xeon 10GbE processor blade, DDR3 RDIMM 2GB x2, 250GB SATA HDD |
| aTCA-6100/D5518/M8G/250 | Two L5518 Quad-Core 2.13GHz Xeon 10GbE processor blade, DDR3 RDIMM 2GB x4, 250GB SATA HDD |
| aTCA-6100/D5518/M12G/250 | Two L5518 Quad-Core 2.13GHz Xeon 10GbE processor blade, DDR3 RDIMM 2GB x6, 250GB SATA HDD |
| aTCA-R6900 | Rear Transition Module for aTCA-6100 with SFP GbE x2, USB x2, SAS/SATA HDD bay x2, COM x1 |

Mechanical Layout



Functional Diagram

