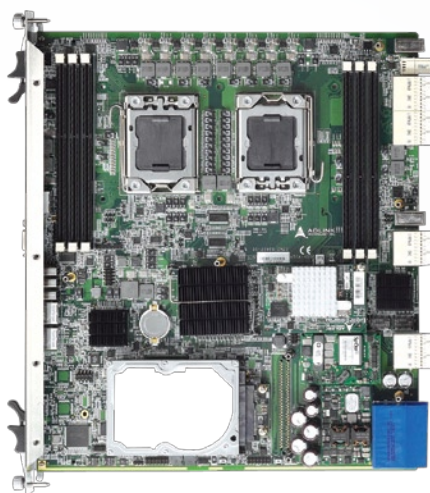


# aTCA-6100

## 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<br>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<br>Dual 10GBASE-KX4 Fabric Interface channels<br>Dual 10/100/1000BASE-T Egress ports                                  |
| Storage               | On-board 2.5" SATA 3 Gb/s HDD<br>On-board bootable 4 GB USB NAND flash<br>Dual AMC.3 SATA 3 Gb/s ports (Port2) (optional)<br>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<br>PICMG® 3.1 Ethernet Over PICMG® 3.0 R1.0 , Option 1/9                                                                                                            |
| AdvancedMC  | PICMG® AMC.0: AdvancedMC™ Card Specification R2.0<br>PICMG® AMC.1: PCI Express and Advanced Switching R1.0<br>PICMG® AMC.2: Gigabit Ethernet R1.0<br>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<br>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                                                                 |
|---------------------------------|-------------------------------------------------------------------------------------------|
| <b>aTCA-6100/D5518/M4G/250</b>  | Two L5518 Quad-Core 2.13GHz Xeon 10GbE processor blade, DDR3 RDIMM 2GB x2, 250GB SATA HDD |
| <b>aTCA-6100/D5518/M8G/250</b>  | Two L5518 Quad-Core 2.13GHz Xeon 10GbE processor blade, DDR3 RDIMM 2GB x4, 250GB SATA HDD |
| <b>aTCA-6100/D5518/M12G/250</b> | Two L5518 Quad-Core 2.13GHz Xeon 10GbE processor blade, DDR3 RDIMM 2GB x6, 250GB SATA HDD |
| <b>aTCA-R6900</b>               | Rear Transition Module with SFP GbE x2, USB x2, SAS/SATA HDD bay x2, COM x1               |
| <b>AMC-7000/SATA250G</b>        | Mid-size SATA 1.5 Gb/s 250GB AMC HDD module                                               |
| <b>AMC-7100/146G</b>            | Mid-size SAS 146GB AMC HDD module                                                         |

