



V Rose Microsystems, Inc.

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VRM-aTCA-6100

Product Data Sheet

Overview:

The VRM-aTCA-6100 is a Dual Quad-Core Intel Xeon L5518 Processor AdvancedTCA Processor Blade with 10GbE Fabric Interface.

- 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 supports two 10GBASE-KX4 ports on Fabric Interface
- Intel® Hyper-Threading Technology supports for multi-threaded software applications

Features:

CPU/Chipset/Ram

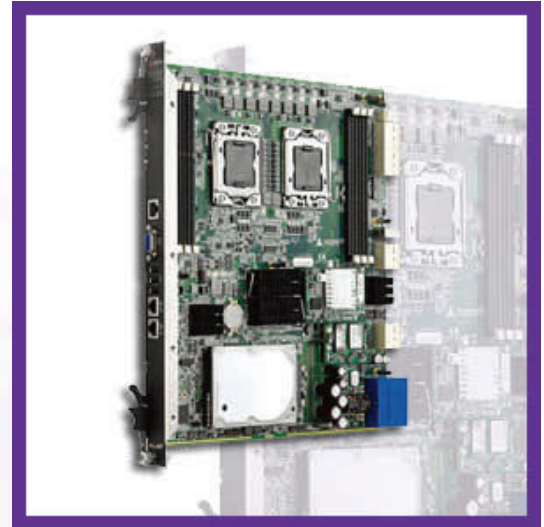
- CPU & FSB: Two Intel Xeon L5518 (4C/8T) 2.13GHz, QPI 5.86 GT/s, 8MB L2 Cache (LGA1366).
- Chipset: Intel 5520/ICH10R chipset
- RAM: Six DDR3-1333 240-pin RDIMM sockets, up to 48GB

BIOS:

- Chip: AMI BIOS on SPI flash memory
- Features: Intel PXE pre-boot, Remote Control

I/O Interfaces:

- Graphics: ATI ES1000 with 64MB VRAM, up to UXGA 1600 x 1200 resolution
- AMC: AMC.0 Midsize, AMC.1 Type 4, AMC.2 E2 / Type 4 to Fabric, AMC.3 S2
- Ethernet: Dual 10/100/1000TBase-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 4GB USB NAND flash, Dual AMC.3 SATA-II ports (Port2) - optional, Dual AMC.3 SAS ports (port 3) -optional
- USB: 3 USB 2.0 ports on front panel
- AMC (optional), VGA, USB1/2/3, LAN1/2, COM1



PICMG Standard:

- AdvancedTCA: PICMG 3.0 R2.0 ECN002, PICMG 3.1 Ethernet Over PICMG 3.0 R1.0, option 1/9
- AdvancedMC: (optional): PICMG AMC.0, AMC.1, AMC.2, AMC.3

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
- Dimension: 322.25mm x 280mm x 6HP (LxWxH)
- Weight: 4.1 kg /9 lbs
- Operating Temp: 0 to 5C
- Storage Temp: -40C to 70C
- 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: .5Grms, 5-500Hz each axis
- Power consumption: 200W
- Certification: FCC, CE, CUL, NEVS Level3

