OMPM2001 Result

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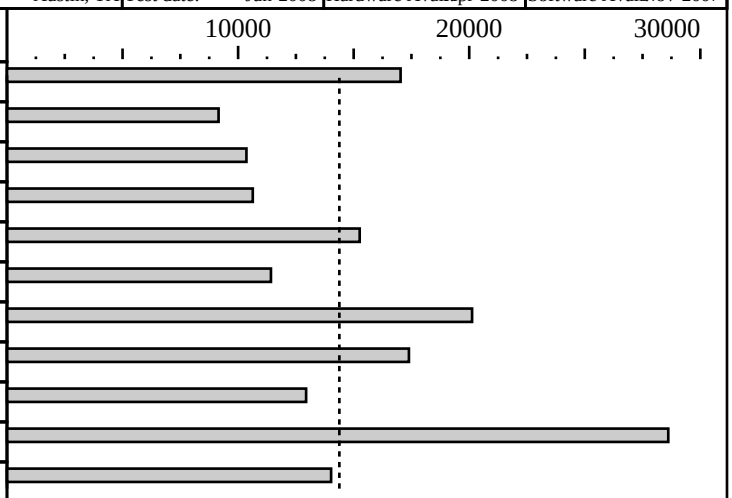
Supermicro
Supermicro X7DW3

SPECompMpeak2001 = --

SPECompMbase2001 = 14381

SPEC license #: HPG0017 | Tested by: Advanced Micro Devices | Test site: Austin, TX | Test date: Jun-2008 | Hardware Avail: Apr-2008 | Software Avail: Nov-2007

Benchmark	Reference Time	Base Runtime	Base Ratio	Peak Runtime	Peak Ratio
310.wupwise_m	6000	352	17030		
312.swim_m	6000	655	9155		
314.mgrid_m	7300	705	10360		
316.applu_m	4000	376	10634		
318.galgel_m	5100	334	15261		
320.equake_m	2600	228	11421		
324.apsi_m	3400	169	20124		
326.gafort_m	8700	500	17391		
328.fma3d_m	4600	355	12942		
330.art_m	6400	224	28613		
332.ammp_m	7000	499	14024		



Hardware

CPU:	Quad-Core Intel(R) Xeon(R) Processor L5420 (1333MHz FSB)
CPU MHz:	2500
FPU:	Integrated
CPU(s) enabled:	8 cores, 2 chips, 4 cores/chip
CPU(s) orderable:	1,2 chips
Primary Cache:	32 KB I + 32 KB D on chip per core
Secondary Cache:	12 MB I+D on chip per chip, 6 MB shared / 2 cores
L3 Cache:	N/A
Other Cache:	N/A
Memory:	8x2GB PC2-5400 FBDIMM (DDR2-667,CL5,2 rank)
Disk Subsystem:	250GB 7200 RPM SATA
Other Hardware:	

Software

OpenMP Threads:	8
Parallel:	OpenMP
Operating System:	SUSE Linux Enterprise Server 10 (x86_64) SP1 2.6.16.46-0.12-smp
Compiler:	Intel FORTRAN Compiler 10.1.008 for Linux (Build 20070913) Intel C++ Compiler 10.1.008 for Linux (Build 20070913)
File System:	ext3
System State:	Default

Notes/Tuning Information

```
Baseline optimization flags:
 COPTIMIZE = -O2 -xT -ipo -openmp -ansi_alias -static
 FOPTIMIZE = -O2 -xT -ipo -openmp -static
 ONESTEP=yes

Base and Peak User Environment (bash):
  export KMP_AFFINITY=compact,0
  export KMP_LIBRARY=turnaround
  export KMP_STACKSIZE=31M
  export OMP_DYNAMIC=FALSE
  export OMP_NUM_THREADS=8
  ulimit -s unlimited
BIOS Version: 6.00
   default "optimized" bios settings used
Alternate Sources (base):
       314.mgrid_m: intel

Portability Flags:
       318.galgel_m: -FI -132
Extra Flags:
       330.art_m: -DINTS_PER_CACHELINE=32 -DDBLS_PER_CACHELINE=16
       all: -gcc-name=/usr/bin/gcc
```

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Notes/Tuning Information (Continued)

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Installed GNU C Compiler version was 4.1.2
  (default for SUSE Linux Enterprise Server 10 (x86_64) SP1)

For flag descriptions, see file AMD-ic10.1-intel64-linux-flags-file-20080506.html
```