OMPM2001 Result

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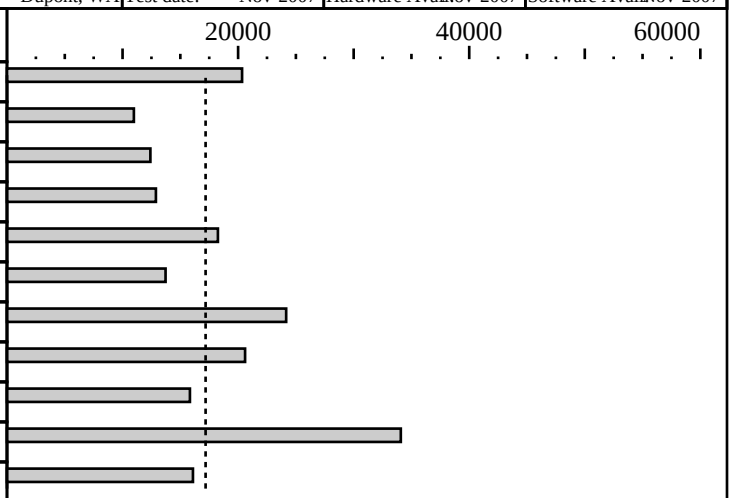
Supermicro
Supermicro X7DWN+

SPECompMpeak2001 = --

SPECompMbase2001 = 17187

SPEC license #: HPG0013A | Tested by: Intel Corporation | Test site: Dupont, WA | Test date: Nov-2007 | Hardware Avail: Nov-2007 | Software Avail: Nov-2007

Benchmark	Reference Time	Base Runtime	Base Ratio	Peak Runtime	Peak Ratio
310.wupwise_m	6000	295	20343		
312.swim_m	6000	546	10980		
314.mgrid_m	7300	588	12408		
316.applu_m	4000	310	12886		
318.galgel_m	5100	279	18252		
320.equake_m	2600	189	13721		
324.apsi_m	3400	141	24159		
326.gafort_m	8700	422	20603		
328.fma3d_m	4600	291	15830		
330.art_m	6400	188	34080		
332.ammp_m	7000	435	16092		



Hardware

CPU:	Quad-Core Intel(R) Xeon(R) Processor E5472
CPU MHz:	3000
FPU:	Integrated
CPU(s) enabled:	8 cores, 2 chips, 4 cores/chip
CPU(s) orderable:	1,2 chips
Primary Cache:	32KB(I)+32KB(D)/core on chip
Secondary Cache:	6144KB/two-cores (I+D) on chip
L3 Cache:	N/A
Other Cache:	N/A
Memory:	8x4GB PC2-6400 (DDR2-800,CL5,2 rank,8 bank)
Disk Subsystem:	
Other Hardware:	

Software

OpenMP Threads:	8
Parallel:	OpenMP
Operating System:	SUSE LINUX 10.1 (X86-64) (Linux 2.6.16.13-4-smp)
Compiler:	Intel FORTRAN Compiler 10.1 for Linux (Build 20070913) Intel C/C++ Compiler 10.1 for Linux (Build 20070913) GNU C Compiler (4.1.0 (SUSE Linux))
File System:	reiserfs
System State:	Default

Notes/Tuning Information

```
Baseline optimization flags:
 COPTIMIZE = -O2 -xT -ipo -openmp -ansi_alias
 FOPTIMIZE = -O2 -xT -ipo -openmp
export KMP_AFFINITY=compact,0
export KMP_LIBRARY=turnaround
export KMP_STACKSIZE=31M
export OMP_DYNAMIC=FALSE
ONESTEP=yes
ulimit -s 64000
BIOS Version: 6.00
   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
Flags file: Intel-ic10.1-intel64-linux-flags-file-20071211.html
```