CFP2000 Result

Copyright ©1999-2005, Standard Performance Evaluation Corporation

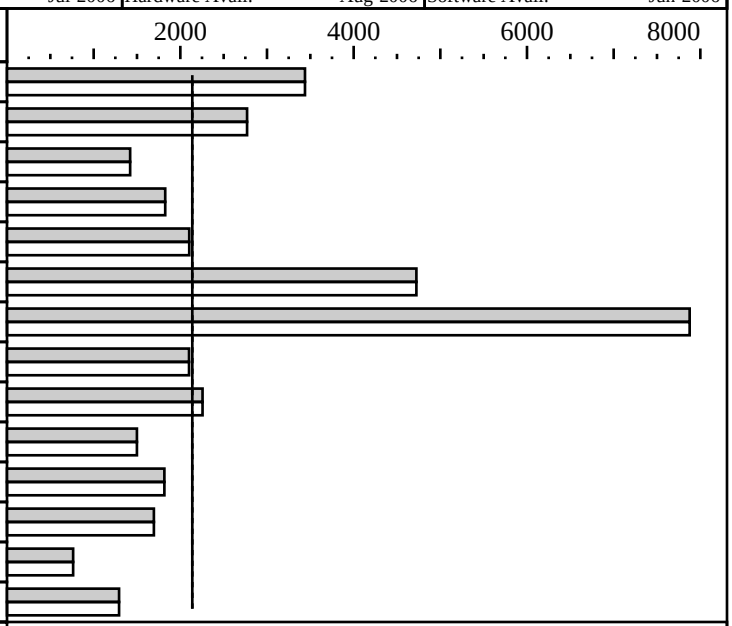
Rackable Systems
C1000-L03-25V23 (Intel Xeon 5148)

SPECfp2000 = 2138

SPECfp_base2000 = 2138

SPEC license #: 64 | Tested by: Rackable Systems | Test date: Jul-2006 | Hardware Avail: Aug-2006 | Software Avail: Jun-2006

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
168.wupwise	1600	46.5	3438	46.5	3438
171.swim	3100	112	2770	112	2770
172.mgrid	1800	127	1421	127	1421
173.applu	2100	115	1826	115	1826
177.mesa	1400	66.6	2103	66.6	2103
178.galgel	2900	61.4	4724	61.4	4724
179.art	2600	33.0	7877	33.0	7877
183.equake	1300	61.9	2100	61.9	2100
187.facerec	1900	84.2	2256	84.2	2256
188.ammp	2200	147	1499	147	1499
189.lucas	2000	110	1816	110	1816
191.fma3d	2100	124	1695	124	1695
200.sixtrack	1100	144	763	144	763
301.apsi	2600	201	1293	201	1293



Hardware

CPU:	Intel(R) Xeon(R) CPU 5148 @ 2.33GHz
CPU MHz:	2330
FPU:	Integrated
CPU(s) enabled:	4 cores, 2 chips, 2 cores/chip
CPU(s) orderable:	1,2 chip(s)
Parallel:	No
Primary Cache:	32KB(I) + 32KB(D) on chip, per core
Secondary Cache:	4096KB(I+D) on chip, per chip, shared
L3 Cache:	N/A
Other Cache:	N/A
Memory:	4 x 1024MB ECC FB-DIMM DDR2-667MHz
Disk Subsystem:	1 x 250GB SATA HDD
Other Hardware:	

Software

Operating System:	Red Hat Enterprise Linux 4 ES Update 2 EM64T
Compiler:	Intel C++ 9.1.038 and Fortran Compiler 9.1.032 for EM64T
File System:	ext3
System State:	Runlevel 3

Notes/Tuning Information

```
-DSPEC_CPU2000_LP64 applied to all benchmarks
186.crafty: -DLINUX_i386
252.eon: -DHAS_ERRLIST
253.perlbmk: -DSPEC_CPU2000_LINUX_I386 -DSPEC_CPU2000_NEED_BOOL -DSPEC_CPU2000_GLIBC22
254.gap: -DSYS_IS_USG -DSYS_HAS_IOCTL_PROTO -DSYS_HAS_TIME_PROTO -DSYS_HAS_SIGNAL_PROTO
        -DSYS_HAS_ANSI -DSYS_HAS_CALLOC_PROTO
178.galgel: -FI for fixed-format Fortran
Portability for integer benchmarks
Optimization flags
ONESTEP=yes for all benchmarks
+FDO implies feedback-directed optimization PASS1: -prof_gen   PAS2: -prof_use
Baseline optimizations for C:   -fast -auto_ilp32 +FDO
Baseline optimizations for C++: -fast -auto_ilp32 +FDO
basepeak=yes set for all benchmarks
Portability for fp benchmarks
Optimization flags
ONESTEP=yes for all benchmarks
```

Copyright ©1999-2005, Standard Performance Evaluation Corporation

Notes/Tuning Information (Continued)

+FDO implies feedback-directed optimization PASS1: -prof_gen PAS2: -prof_use
Baseline optimizations for C and Fortran: -fast +FDO
basepeak=yes set for all benchmarks
Taskset utility used to bind process to CPU(s)