



CFP2000 Result

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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.quake	1300	61.9	2100	61.9	2100	
187.facerec	1900	84.2	2256	84.2	2256	
188.amp	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.perlbnk: -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



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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)