CINT2000 Result

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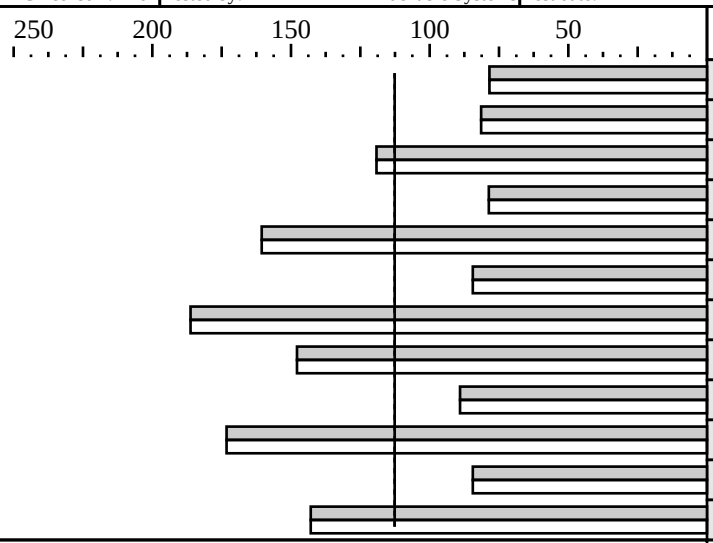
Rackable Systems
C1000-L03-25W30 (Intel Xeon 5160)

SPECint_rate2000 = 113

SPECint_rate_base2000 = 113

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



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	4	82.8	78.5	4	82.8	78.5
175.vpr	4	79.8	81.4	4	79.8	81.4
176.gcc	4	42.8	119	4	42.8	119
181.mcf	4	106	78.7	4	106	78.7
186.crafty	4	28.9	161	4	28.9	161
197.parser	4	98.9	84.4	4	98.9	84.4
252.eon	4	32.4	186	4	32.4	186
253.perlbmk	4	56.5	148	4	56.5	148
254.gap	4	57.3	89.0	4	57.3	89.0
255.vortex	4	50.9	173	4	50.9	173
256.bzip2	4	82.4	84.4	4	82.4	84.4
300.twolf	4	97.4	143	4	97.4	143

Hardware

CPU:	Intel(R) Xeon(R) CPU 5160 @ 3.0GHz
CPU MHz:	3000
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 3 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

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-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
+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
```

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Notes/Tuning Information (Continued)

Taskset utility used to bind process to CPU(s)