



# CINT2000 Result

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**Rackable Systems**  
**C1000-L03-25W26 (Intel Xeon 5150)**

**SPECint\_rate2000 = 104**  
**SPECint\_rate\_base2000 = 104**

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

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	4	90.6	71.7	4	90.6	71.7
175.vpr	4	86.8	74.9	4	86.8	74.9
176.gcc	4	47.3	108	4	47.3	108
181.mcf	4	110	76.0	4	110	76.0
186.crafty	4	32.7	142	4	32.7	142
197.parser	4	109	76.7	4	109	76.7
252.eon	4	36.4	166	4	36.4	166
253.perlbnk	4	63.0	133	4	63.0	133
254.gap	4	59.7	85.5	4	59.7	85.5
255.vortex	4	54.5	162	4	54.5	162
256.bzip2	4	88.6	78.6	4	88.6	78.6
300.twolf	4	105	132	4	105	132

### Hardware

CPU: Intel(R) Xeon(R) CPU 5150 @ 2.66GHz  
 CPU MHz: 2660  
 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 Update 3 EM64T  
 Compiler: Intel C++ Compiler 9.1.042 for EM64T  
 File System: ext3  
 System State: Runlevel 3

## Notes/Tuning Information

186.crafty: -DLINUX\_i386 -DSPEC\_CPU2000\_LP64  
 252.eon: -DHAS\_ERRLIST -DSPEC\_CPU2000\_LP64  
 253.perlbnk: -DSPEC\_CPU2000\_LINUX\_I386 -DSPEC\_CPU2000\_NEED\_BOOL -DSPEC\_CPU2000\_LP64  
 254.gap: -DSYS\_IS\_USG -DSYS\_HAS\_CALLOC\_PROTO -DSYS\_HASMALLOC\_PROTO  
           -DSYS\_HAS\_IOCTL\_PROTO -DSPEC\_CPU2000\_LP64  
 255.vortex: -DSPEC\_CPU2000\_LP64  
 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  
 Taskset utility used to bind process to CPU(s)