



# CINT2000 Result

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## SGI

SGI Altix XE 210 (Intel Xeon processor 5160, 3.0GHz)

SPECint\_rate2000 = --

SPECint\_rate\_base2000 = 116

SPEC license #: 4 | Tested by: SGI | Test date: Nov-2006 | Hardware Avail: Aug-2006 | Software Avail: Jul-2006

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	4	80.3	80.9			
175.vpr	4	77.7	83.6			
176.gcc	4	40.9	125			
181.mcf	4	102	82.1			
186.crafty	4	36.1	128			
197.parser	4	85.6	97.6			
252.eon	4	35.9	168			
253.perlbmk	4	55.6	150			
254.gap	4	45.2	113			
255.vortex	4	49.9	176			
256.bzip2	4	81.8	85.1			
300.twolf	4	87.8	159			

### Hardware

CPU: Intel Xeon Processor 5160 (1333Mhz System Bus)  
CPU MHz: 2992  
FPU: Integrated  
CPU(s) enabled: 4 cores, 2 chips, 2 cores/chip  
CPU(s) orderable: 1-2 chips  
Parallel: No  
Primary Cache: 32KB(I) + 32KB(D) on chip, per core  
Secondary Cache: 4MB (I+D) on chip, per chip  
L3 Cache: None  
Other Cache: None  
Memory: 4 GB (4\*1GB PC2-5300 FB-DIMMs)  
Disk Subsystem: 1 x 250GB SATA II (Hitachi Deskstar 7200rpm)  
Other Hardware: None

### Software

Operating System: SUSE Linux Enterprise Server 9 Service Pack 3  
Compiler: Intel(R) C Compiler 9.1 for 32-bit applications (Build 20060706Z)  
Intel(R) C++ Compiler 9.1 for 32-bit applications (Build 20060706Z)  
File System: xfs  
System State: Multi-user

## Notes/Tuning Information

Enhanced SpeedStep Technology Disabled in BIOS  
Hardware Prefetch Enabled in BIOS  
Adjacent Cache Line Prefetch Enabled in BIOS  
kernel 2.6.5-7.244-smp

SPEC CINT2000 Baseline optimization flags:  
C programs: -fast +FDO  
C++ programs: -fast -ansi\_alias +FDO  
+FDO: PASS1=-prof\_gen PASS2=-prof\_use

Portability Flags:  
186.crafty: -DLINUX\_i386  
252.eon: -DHAS\_ERRLIST  
253.perlbmk: -DSPEC\_CPU2000\_NEED\_BOOL -DSPEC\_CPU2000\_LINUX\_I386  
254.gap: -DSYS\_IS\_USG