



# CINT2000 Result

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## Fujitsu Siemens Computers

PRIMERGY TX150 S5, Intel Xeon processor 3040, 1.86 GHz

SPECint\_rate2000 = 39.6

SPECint\_rate\_base2000 = 39.6

SPEC license #: 22 | Tested by: Fujitsu Siemens Computers | Test date: Aug-2006 | Hardware Avail: Sep-2006 | Software Avail: May-2006

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.zip	2	122	26.7	2	122	26.7
175.vpr	2	122	26.6	2	122	26.6
176.gcc	2	54.0	47.3	2	54.0	47.3
181.mcf	2	134	31.2	2	134	31.2
186.crafty	2	59.6	38.9	2	59.6	38.9
197.parser	2	133	31.4	2	133	31.4
252.eon	2	53.9	55.9	2	53.9	55.9
253.perlbnk	2	82.8	50.4	2	82.8	50.4
254.gap	2	57.8	44.2	2	57.8	44.2
255.vortex	2	62.4	70.7	2	62.4	70.7
256.bzip2	2	126	27.7	2	126	27.7
300.twolf	2	147	47.4	2	147	47.4

### Hardware

CPU: Intel Xeon processor 3040 (1.86 GHz, 2MB L2, 1066 MHz system bus)  
 CPU MHz: 1866  
 FPU: Integrated  
 CPU(s) enabled: 2 cores, 1 chip, 2 cores/chip  
 CPU(s) orderable: 1 chip  
 Parallel: No  
 Primary Cache: 32KB(I) + 32KB(D) on chip, per core  
 Secondary Cache: 2048KB(I+D) on chip, per chip  
 L3 Cache: N/A  
 Other Cache: N/A  
 Memory: 4x2GB DDRII-RAM PC2-4200E (CAS 4-4-4)  
 Disk Subsystem: Western Digital (SATA, 7.2krpm, 160GB)  
 Other Hardware: none

### Software

Operating System: Windows Server 2003 Enterprise Edition + SP1 (32-bit)  
 Compiler: Intel C++ Compiler 9.1  
 Build 20060323Z (for 32-bit applications),  
 Microsoft Visual Studio .Net 2003  
 7.1.3088 (for libraries),  
 SmartHeap Library Version 8.0  
 from <http://www.microquill.com>  
 File System: NTFS  
 System State: Default

## Notes/Tuning Information

### GENERAL

+FDO: PASS1=-Qprof\_gen PASS2=-Qprof\_use

### Portability flags

176.gcc: -Dalloca=\_alloca /F10000000  
 186.crafty: -DNT\_i386  
 253.perlbnk: -DSPEC\_CPU2000\_NTOS -DPERLDLL /MT  
 254.gap: -DSYS\_HAS\_CALLOC\_PROTO -DSYS\_HAS\_MALLOC\_PROTO

### Base tuning flags

for C programs: -fast +FDO shlw32m.lib  
 for C++ programs: -fast -Qcxx\_features +FDO shlw32m.lib

### Peak tuning flags

same as baseline (basepeak=true set globally)

The system bus runs at 1066 MHz

This result was measured with 32-bit binaries using the 32-bit version of the operating system.



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## Notes/Tuning Information (Continued)

BIOS configuration:

Adjacent Sector Prefetch = disable

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