



# CINT2000 Result

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## Fujitsu Siemens Computers

PRIMERGY RX100 S4, Intel Xeon processor 3040, 1.86 GHz

SPECint\_rate2000 = 39.8

SPECint\_rate\_base2000 = 39.8

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	26.6	2	122	26.6
175.vpr	2	122	26.7	2	122	26.7
176.gcc	2	54.0	47.2	2	54.0	47.2
181.mcf	2	133	31.3	2	133	31.3
186.crafty	2	59.5	39.0	2	59.5	39.0
197.parser	2	130	32.0	2	130	32.0
252.eon	2	53.8	56.1	2	53.8	56.1
253.perlbnk	2	82.7	50.5	2	82.7	50.5
254.gap	2	57.5	44.4	2	57.5	44.4
255.vortex	2	62.3	70.8	2	62.3	70.8
256.bzip2	2	125	27.8	2	125	27.8
300.twolf	2	145	48.2	2	145	48.2

### 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: Seagate ST3146854SS (SAS, 15.4krpm, 146GB)  
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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