



# CINT2000 Result

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## Fujitsu Siemens Computers

PRIMERGY RX200 S2, Intel Xeon processor 3.40GHz, 2MB L2

SPECint\_rate2000 = 38.9

SPECint\_rate\_base2000 = 38.9

SPEC license #: 22 | Tested by: Fujitsu Siemens Computers | Test date: Nov-2005 | Hardware Avail: Oct-2005 | Software Avail: Sep-2005

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	4	188	34.5	4	188	34.5
175.vpr	4	249	26.1	4	249	26.1
176.gcc	4	96.4	53.0	4	96.4	53.0
181.mcf	4	338	24.7	4	338	24.7
186.crafy	4	158	29.4	4	158	29.4
197.parser	4	218	38.4	4	218	38.4
252.eon	4	135	44.5	4	135	44.5
253.perlbnk	4	192	43.6	4	192	43.6
254.gap	4	117	43.7	4	117	43.7
255.vortex	4	135	65.2	4	135	65.2
256.bzip2	4	205	33.9	4	205	33.9
300.twolf	4	291	47.8	4	291	47.8

### Hardware

CPU: Intel Xeon processor 3.40GHz, 2MB L2, 800MHz system bus  
CPU MHz: 3400  
FPU: Integrated  
CPU(s) enabled: 2 cores, 2 chips, 1 core/chip (Hyper-Threading Technology enabled)  
CPU(s) orderable: 1,2  
Parallel: No  
Primary Cache: 12k micro-ops I + 16KBD on chip, per core  
Secondary Cache: 2048KB(I+D) on chip, per core  
L3 Cache: N/A  
Other Cache: N/A  
Memory: 8x512 MB DDRII-RAM PC2-3200R  
Disk Subsystem: Seagate ST336753LC(U320 SCSI, 15krpm)  
Other Hardware: none

### Software

Operating System: Windows Server 2003 Enterprise Edition + SP1  
Compiler: Intel C++ Compiler 9.0  
Build 20050722Z (for 32-bit applications)  
Microsoft Visual Studio .Net 2003  
7.1.3088 (for libraries)  
SmartHeap Library Version 7.4  
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.crafy: -DNT\_i386  
252.eon: Approved srcalt stdcpp is used  
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=yes set globally)

New 32-bit Windows tools used, approved in May-2005

The system bus runs at 800 MHz



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## Notes/Tuning Information (Continued)

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

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