



# CINT2000 Result

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## Fujitsu Siemens Computers

PRIMERGY RX200 S2, Intel Xeon processor 3.60GHz, 2MB L2

SPECint\_rate2000 = 21.7

SPECint\_rate\_base2000 = 21.7

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	2	176	18.5	2	176	18.5
175.vpr	2	227	14.3	2	227	14.3
176.gcc	2	89.3	28.6	2	89.3	28.6
181.mcf	2	207	20.1	2	207	20.1
186.crafy	2	149	15.6	2	149	15.6
197.parser	2	204	20.5	2	204	20.5
252.eon	2	130	23.3	2	130	23.3
253.perlbnk	2	184	22.7	2	184	22.7
254.gap	2	99.3	25.7	2	99.3	25.7
255.vortex	2	128	34.6	2	128	34.6
256.bzip2	2	187	18.7	2	187	18.7
300.twolf	2	276	25.2	2	276	25.2

### Hardware

CPU: Intel Xeon processor 3.60GHz, 2MB L2, 800MHz system bus  
CPU MHz: 3600  
FPU: Integrated  
CPU(s) enabled: 1 core, 1 chip, 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=true 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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