



# CINT2000 Result

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## Fujitsu Siemens Computers

PRIMERGY RX100 S3, Intel Pentium D 940 processor, 3.20 GHz

SPECint\_rate2000 = 36.1

SPECint\_rate\_base2000 = 36.1

SPEC license #: 22 | Tested by: Fujitsu Siemens Computers | Test date: Apr-2006 | Hardware Avail: May-2006 | Software Avail: Oct-2005

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.zip	2	131	24.8	2	131	24.8
175.vpr	2	130	24.9	2	130	24.9
176.gcc	2	58.4	43.7	2	58.4	43.7
181.mcf	2	105	39.8	2	105	39.8
186.crafy	2	83.8	27.7	2	83.8	27.7
197.parser	2	134	31.2	2	134	31.2
252.eon	2	64.3	46.9	2	64.3	46.9
253.perlbnk	2	92.8	45.0	2	92.8	45.0
254.gap	2	67.4	37.9	2	67.4	37.9
255.vortex	2	70.5	62.6	2	70.5	62.6
256.bzip2	2	126	27.7	2	126	27.7
300.twolf	2	185	37.7	2	185	37.7

### Hardware

CPU: Intel Pentium D 940 processor (3.20 GHz, 2x2MB L2, 800 MHz system bus)  
CPU MHz: 3200  
FPU: Integrated  
CPU(s) enabled: 2 cores, 1 chip, 2 cores/chip  
CPU(s) orderable: 1  
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: 4x2GB DDRII-RAM PC2-4200E (CAS 4-4-4)  
Disk Subsystem: Seagate ST380013AS (SATA, 7.2krpm, 80GB)  
Other Hardware: none

### Software

Operating System: Windows Server 2003 Enterprise Edition + SP1  
Compiler: Intel C++ Compiler 9.0  
Build 20051020Z (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.crafy: -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 800 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)

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