



# CINT2000 Result

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**Fujitsu Siemens Computers**  
PRIMERGY TX300 S2, 64-bit Intel Xeon 3.40 GHz

SPECint\_rate2000 = 38.9  
SPECint\_rate\_base2000 = 38.9

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

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	4	188	34.6	4	188	34.6
175.vpr	4	249	26.0	4	249	26.0
176.gcc	4	97.8	52.2	4	97.8	52.2
181.mcf	4	339	24.7	4	339	24.7
186.crafy	4	155	30.0	4	155	30.0
197.parser	4	216	38.6	4	216	38.6
252.eon	4	135	44.6	4	135	44.6
253.perlbnk	4	191	43.7	4	191	43.7
254.gap	4	117	43.7	4	117	43.7
255.vortex	4	136	64.9	4	136	64.9
256.bzip2	4	205	34.0	4	205	34.0
300.twolf	4	293	47.5	4	293	47.5

### Hardware

CPU: 64-bit Intel Xeon processor 3.4GHz, 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  
Secondary Cache: 2048KB(I+D) on chip  
L3 Cache: N/A  
Other Cache: N/A  
Memory: 8x512 MB DDRII-RAM PC2-3200R  
Disk Subsystem: Fujitsu MAS3184NC (U320, 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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