



# CINT2000 Result

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Fujitsu Siemens Computers  
PRIMERGY TX300 S2, 64-bit Intel Xeon 3.20 GHz

SPECint\_rate2000 = 19.5  
SPECint\_rate\_base2000 = 19.5

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	2	197	16.4	2	197	16.4
175.vpr	2	248	13.1	2	248	13.1
176.gcc	2	99.4	25.7	2	99.4	25.7
181.mcf	2	217	19.2	2	217	19.2
186.crafy	2	167	13.9	2	167	13.9
197.parser	2	230	18.1	2	230	18.1
252.eon	2	144	21.0	2	144	21.0
253.perlbnk	2	207	20.2	2	207	20.2
254.gap	2	112	22.9	2	112	22.9
255.vortex	2	141	31.2	2	141	31.2
256.bzip2	2	206	16.9	2	206	16.9
300.twolf	2	310	22.5	2	310	22.5

### Hardware

CPU: 64-bit Intel Xeon processor 3.2GHz, 2mB L2, 800MHz system bus  
CPU MHz: 3200  
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  
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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