



# CINT2000 Result

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**Fujitsu Siemens Computers**  
PRIMERGY TX300 S2, 64-bit Intel Xeon 3.80 GHz

SPECint2000 = 1796  
SPECint\_base2000 = 1796

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
164.gzip	1400	111	1259	111	1259
175.vpr	1400	114	1231	114	1231
176.gcc	1100	50.9	2163	50.9	2163
181.mcf	1800	93.1	1934	93.1	1934
186.crafty	1000	71.2	1404	71.2	1404
197.parser	1800	116	1547	116	1547
252.eon	1300	57.8	2249	57.8	2249
253.perlbnk	1800	80.6	2232	80.6	2232
254.gap	1100	54.8	2006	54.8	2006
255.vortex	1900	63.1	3009	63.1	3009
256.bzip2	1500	110	1365	110	1365
300.twolf	3000	155	1932	155	1932

## Hardware

CPU: 64-bit Intel Xeon processor 3.8GHz, 2MB L2, 800MHz system bus  
CPU MHz: 3800  
FPU: Integrated  
CPU(s) enabled: 1 core, 1 chip, 1 core/chip (Hyper-Threading Technology disabled)  
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 MAS3367NC(SCSI 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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