



# CINT2000 Result

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

SPECint\_rate2000 = 20.6  
SPECint\_rate\_base2000 = 20.6

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
35	30	25	20	15	10	5				
				164.gzip	2	186	17.5	2	186	17.5
				175.vpr	2	237	13.7	2	237	13.7
				176.gcc	2	93.6	27.3	2	93.6	27.3
				181.mcf	2	212	19.7	2	212	19.7
				186.crafy	2	158	14.7	2	158	14.7
				197.parser	2	212	19.7	2	212	19.7
				252.eon	2	135	22.3	2	135	22.3
				253.perlbnk	2	193	21.6	2	193	21.6
				254.gap	2	106	24.1	2	106	24.1
				255.vortex	2	134	32.8	2	134	32.8
				256.bzip2	2	196	17.7	2	196	17.7
				300.twolf	2	292	23.9	2	292	23.9

### Hardware

CPU: 64-bit Intel Xeon processor 3.4GHz, 2MB L2, 800MHz system bus  
 CPU MHz: 3400  
 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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