



# CINT2000 Result

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## Fujitsu Siemens Computers

PRIMERGY TX150 S4, Intel Pentium 4 651 processor, 3.40 GHz

SPECint2000 = 1695

SPECint\_base2000 = 1695

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	1000 2000 3000 4000			
164.gzip	1400	122	1143	122	1143	[Bar chart showing ratio 1143]			
175.vpr	1400	120	1165	120	1165	[Bar chart showing ratio 1165]			
176.gcc	1100	54.2	2031	54.2	2031	[Bar chart showing ratio 2031]			
181.mcf	1800	84.5	2131	84.5	2131	[Bar chart showing ratio 2131]			
186.crafty	1000	79.0	1267	79.0	1267	[Bar chart showing ratio 1267]			
197.parser	1800	125	1434	125	1434	[Bar chart showing ratio 1434]			
252.eon	1300	60.5	2150	60.5	2150	[Bar chart showing ratio 2150]			
253.perlbnk	1800	87.1	2067	87.1	2067	[Bar chart showing ratio 2067]			
254.gap	1100	59.3	1854	59.3	1854	[Bar chart showing ratio 1854]			
255.vortex	1900	65.3	2912	65.3	2912	[Bar chart showing ratio 2912]			
256.bzip2	1500	116	1294	116	1294	[Bar chart showing ratio 1294]			
300.twolf	3000	174	1726	174	1726	[Bar chart showing ratio 1726]			

### Hardware

CPU: Intel Pentium 4 651 processor (3.40 GHz, 2MB L2, 800 MHz system bus)  
CPU MHz: 3400  
FPU: Integrated  
CPU(s) enabled: 1 core, 1 chip, 1 core/chip (Hyper-Threading Technology disabled)  
CPU(s) orderable: 1  
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: 4x2GB DDRII-RAM PC2-4200E (CAS 4-4-4)  
Disk Subsystem: Fujitsu MAS3735NC (SCSI, 15krpm, 73GB)  
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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