



# CINT2000 Result

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## Fujitsu Siemens Computers

PRIMERGY TX300 S3, Intel Xeon 5120 processor, 1.86 GHz

SPECint\_rate2000 = 80.7

SPECint\_rate\_base2000 = 80.7

SPEC license #: 22 | Tested by: Fujitsu Siemens Computers | Test date: Jul-2006 | Hardware Avail: Jul-2006 | Software Avail: May-2006

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.zip	4	124	52.4	4	124	52.4
175.vpr	4	111	58.6	4	111	58.6
176.gcc	4	55.7	91.6	4	55.7	91.6
181.mcf	4	109	76.6	4	109	76.6
186.crafy	4	58.8	79.0	4	58.8	79.0
197.parser	4	127	66.0	4	127	66.0
252.eon	4	54.0	112	4	54.0	112
253.perlbnk	4	82.3	102	4	82.3	102
254.gap	4	65.5	77.9	4	65.5	77.9
255.vortex	4	65.9	134	4	65.9	134
256.bzip2	4	119	58.6	4	119	58.6
300.twolf	4	141	98.6	4	141	98.6

### Hardware

CPU: Intel Xeon 5120 processor (1.86 GHz, 4MB SLC, 1066 MHz system bus)  
CPU MHz: 1866  
FPU: Integrated  
CPU(s) enabled: 4 cores, 2 chips, 2 cores/chip  
CPU(s) orderable: 1,2  
Parallel: No  
Primary Cache: 32KB(I) + 32KB(D) on chip, per core  
Secondary Cache: 4096KB(I+D) on chip, per chip  
L3 Cache: N/A  
Other Cache: N/A  
Memory: 8x1GB DDRII-RAM PC2-4200F (CAS 4-4-4)  
Disk Subsystem: Seagate ST373454SS (SAS, 15.4krpm, 73GB)  
Other Hardware: none

### Software

Operating System: Windows Server 2003 Enterprise Edition + SP1 (32-bit)  
Compiler: Intel C++ Compiler 9.1  
Build 20060323Z (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 1066 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)

BIOS configuration:

Adjacent Sector Prefetch = disable

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