



# CINT2000 Result

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## Fujitsu Siemens Computers

PRIMERGY TX300 S3, Intel Xeon processor E5320, 1.86 GHz

SPECint\_rate2000 = 77.5

SPECint\_rate\_base2000 = 77.5

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

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.zip	4	125	51.9	4	125	51.9
175.vpr	4	114	56.8	4	114	56.8
176.gcc	4	57.6	88.6	4	57.6	88.6
181.mcf	4	126	66.1	4	126	66.1
186.crafty	4	58.8	78.9	4	58.8	78.9
197.parser	4	131	63.9	4	131	63.9
252.eon	4	53.9	112	4	53.9	112
253.perlbnk	4	82.6	101	4	82.6	101
254.gap	4	78.4	65.1	4	78.4	65.1
255.vortex	4	67.5	131	4	67.5	131
256.bzip2	4	123	56.6	4	123	56.6
300.twolf	4	141	98.7	4	141	98.7

### Hardware

CPU: Intel Xeon processor E5320 (1.86 GHz, 2x4MB L2, 1066 MHz system bus)  
CPU MHz: 1866  
FPU: Integrated  
CPU(s) enabled: 4 cores, 1 chip, 4 cores/chip  
CPU(s) orderable: 1,2 chips  
Parallel: No  
Primary Cache: 32KB(I) + 32KB(D) on chip, per core  
Secondary Cache: 8MB(I+D) on chip, per chip (4MB shared per 2 cores)  
L3 Cache: N/A  
Other Cache: N/A  
Memory: 8x1GB DDR2-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.crafty: -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

This result was measured on the PRIMERGY RX300 S3. The PRIMERGY TX300 S3 and the PRIMERGY RX300 S3 are electronically equivalent.

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