



# CINT2000 Result

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## Fujitsu Siemens Computers

PRIMERGY BX620 S3, Intel Xeon processor E5310, 1.60 GHz

SPECint\_rate2000 = 132

SPECint\_rate\_base2000 = 132

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

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.zip	8	147	88.5	8	147	88.5
175.vpr	8	134	96.7	8	134	96.7
176.gcc	8	67.3	152	8	67.3	152
181.mcf	8	158	106	8	158	106
186.crafty	8	68.6	135	8	68.6	135
197.parser	8	149	112	8	149	112
252.eon	8	62.9	192	8	62.9	192
253.perlbnk	8	96.3	173	8	96.3	173
254.gap	8	97.4	105	8	97.4	105
255.vortex	8	77.8	227	8	77.8	227
256.bzip2	8	142	98.3	8	142	98.3
300.twolf	8	165	169	8	165	169

### Hardware

CPU: Intel Xeon processor E5310 (1.60 GHz, 2x4MB L2, 1066 MHz system bus)  
CPU MHz: 1600  
FPU: Integrated  
CPU(s) enabled: 8 cores, 2 chips, 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 PC2-5300F (CAS 5-5-5)  
Disk Subsystem: Seagate ST936701SS (SAS, 10 krpm, 36GB)  
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

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