



# CINT2000 Result

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## Fujitsu Siemens Computers

PRIMERGY BX620 S3, Intel Xeon 5080 processor, 3.73 GHz

SPECint\_rate2000 = 42.7

SPECint\_rate\_base2000 = 42.7

SPEC license #: 22 | Tested by: Fujitsu Siemens Computers | Test date: Feb-2006 | Hardware Avail: Jun-2006 | Software Avail: Oct-2005

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	4	173	37.6	4	173	37.6
175.vpr	4	237	27.4	4	237	27.4
176.gcc	4	86.9	58.7	4	86.9	58.7
181.mcf	4	297	28.1	4	297	28.1
186.crafy	4	140	33.1	4	140	33.1
197.parser	4	198	42.3	4	198	42.3
252.eon	4	111	54.5	4	111	54.5
253.perlbnk	4	173	48.3	4	173	48.3
254.gap	4	112	45.7	4	112	45.7
255.vortex	4	127	69.4	4	127	69.4
256.bzip2	4	196	35.5	4	196	35.5
300.twolf	4	268	52.0	4	268	52.0

### Hardware

CPU: Intel Xeon 5080 processor (3.73 GHz, 2x2MB L2, 1066 MHz system bus)  
CPU MHz: 3733  
FPU: Integrated  
CPU(s) enabled: 2 cores, 1 chip, 2 cores/chip (Hyper-Threading Technology enabled)  
CPU(s) orderable: 1,2  
Parallel: No  
Primary Cache: 12k micro-ops I + 16KBD on chip, per core  
Secondary Cache: 2048KB(I+D) on chip, per core  
L3 Cache: N/A  
Other Cache: N/A  
Memory: 8x1GB DDRII-RAM PC2-4200F (CAS 4-4-4)  
Disk Subsystem: Seagate ST936701SS (SAS, 10krpm, 36GB)  
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 -DPERLDDL /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)

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