



# CINT2000 Result

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## Fujitsu Siemens Computers

PRIMERGY BX620 S3, Intel Xeon 5140 processor, 2.33 GHz

SPECint\_rate2000 = 50.5

SPECint\_rate\_base2000 = 50.5

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

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	2	98.5	33.0	2	98.5	33.0
175.vpr	2	89.3	36.4	2	89.3	36.4
176.gcc	2	47.3	54.0	2	47.3	54.0
181.mcf	2	88.9	47.0	2	88.9	47.0
186.crafy	2	46.9	49.4	2	46.9	49.4
197.parser	2	101	41.3	2	101	41.3
252.eon	2	43.1	70.0	2	43.1	70.0
253.perlbnk	2	65.9	63.4	2	65.9	63.4
254.gap	2	48.9	52.1	2	48.9	52.1
255.vortex	2	52.3	84.4	2	52.3	84.4
256.bzip2	2	95.4	36.5	2	95.4	36.5
300.twolf	2	113	61.7	2	113	61.7

### Hardware

CPU: Intel Xeon 5140 processor (2.33 GHz, 4MB L2, 1333 MHz system bus)  
CPU MHz: 2333  
FPU: Integrated  
CPU(s) enabled: 2 cores, 1 chip, 2 cores/chip  
CPU(s) orderable: 1,2  
Parallel: No  
Primary Cache: 32KBI + 32KBD on chip, per core  
Secondary Cache: 4096KB(I+D) on chip, shared  
L3 Cache: N/A  
Other Cache: N/A  
Memory: 8x1GB DDRII-RAM PC2-5300F (CAS 5-5-5)  
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 1333 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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