



# CINT2000 Result

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**Fujitsu Siemens Computers**  
PRIMERGY BX620 S2, 64-bit Intel Xeon 3.60 GHz

SPECint\_rate2000 = 38.3  
SPECint\_rate\_base2000 = 38.3

SPEC license #: 22 | Tested by: Fujitsu Siemens Computers | Test date: May-2005 | Hardware Avail: Mar-2005 | Software Avail: Mar-2005

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.zip	2	119	27.3	2	119	27.3
175.vpr	2	123	26.4	2	123	26.4
176.gcc	2	55.7	45.8	2	55.7	45.8
181.mcf	2	110	37.8	2	110	37.8
186.crafy	2	74.5	31.2	2	74.5	31.2
197.parser	2	124	33.7	2	124	33.7
252.eon	2	57.6	52.4	2	57.6	52.4
253.perlbnk	2	87.3	47.8	2	87.3	47.8
254.gap	2	65.9	38.7	2	65.9	38.7
255.vortex	2	68.6	64.2	2	68.6	64.2
256.bzip2	2	121	28.8	2	121	28.8
300.twolf	2	166	41.9	2	166	41.9

### Hardware

CPU: 64-bit Intel Xeon (3.60 GHz, 800 MHz bus)  
 CPU MHz: 3600  
 FPU: Integrated  
 CPU(s) enabled: 2 cores, 2 chips, 1 core/chip (Hyper-Threading Technology disabled)  
 CPU(s) orderable: 1,2  
 Parallel: No  
 Primary Cache: 12k micro-ops I + 16KBD on chip  
 Secondary Cache: 2048KB(I+D) on chip  
 L3 Cache: N/A  
 Other Cache: N/A  
 Memory: 4x2048 MB DDRII-RAM PC2-3200R  
 Disk Subsystem: Fujitsu MAS3367NC (SCSI U320 15 krpm)  
 Other Hardware:

### Software

Operating System: Windows Server 2003 Enterprise Edition + SP1  
 Compiler: Intel C/C++ Compiler 8.1 (20050405Z) for 32-bit applications  
 Microsoft Visual Studio .Net 2003 7.1.3088 (for libraries)  
 SmartHeap Library Version 6.03a 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  
 252.eon: Approved srcalt stdcpp is used  
 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

### Peak tuning flags

same as baseline (basepeak=yes set globally)

The system bus runs at 800 MHz

This result was measured with 32-bit binaries using the 32-bit version of



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## Notes/Tuning Information (Continued)

the operating system.

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