



# CINT2000 Result

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## Fujitsu Siemens Computers

PRIMERGY Econel 100, Intel Pentium 4 processor 640, 3.2GHz

SPECint\_rate2000 = 18.3

SPECint\_rate\_base2000 = 18.3

SPEC license #: 22 | Tested by: Fujitsu Siemens Computers | Test date: Aug-2005 | Hardware Avail: Oct-2005 | Software Avail: Sep-2005

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.zip	1	131	12.4	1	131	12.4
175.vpr	1	127	12.8	1	127	12.8
176.gcc	1	58.0	22.0	1	58.0	22.0
181.mcf	1	91.9	22.7	1	91.9	22.7
186.crafy	1	84.6	13.7	1	84.6	13.7
197.parser	1	134	15.6	1	134	15.6
252.eon	1	68.7	21.9	1	68.7	21.9
253.perlbnk	1	94.4	22.1	1	94.4	22.1
254.gap	1	62.9	20.3	1	62.9	20.3
255.vortex	1	70.3	31.4	1	70.3	31.4
256.bzip2	1	123	14.1	1	123	14.1
300.twolf	1	185	18.9	1	185	18.9

### Hardware

CPU: Intel Pentium 4 processor 640, 3.20GHz, 800MHz system bus  
 CPU MHz: 3200  
 FPU: Integrated  
 CPU(s) enabled: 1 core, 1 chip, 1 core/chip (Hyper-Threading Technology disabled)  
 CPU(s) orderable: 1  
 Parallel: No  
 Primary Cache: 12k micro-ops I + 16KBD on chip  
 Secondary Cache: 2MB(I+D) on chip  
 L3 Cache: N/A  
 Other Cache: N/A  
 Memory: 4x2048 MB DDRII-RAM PC2-4200  
 Disk Subsystem: Seagate ST3160023AS (SATA, 7.2krpm)  
 Other Hardware:

### Software

Operating System: Windows Server 2003 Enterprise Edition + SP1  
 Compiler: Intel C++ Compiler 9.0  
 Build 20050722Z (for 32-bit applications),  
 Microsoft Visual Studio .Net 2003  
 7.1.3088 (for libraries),  
 SmartHeap Library Version 7.4  
 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 shlW32M.lib

### Peak tuning flags

same as baseline (basepeak=yes set globally)

New 32-bit Windows tools used, approved in May-2005

The system bus runs at 800 MHz



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## Notes/Tuning Information (Continued)

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

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