



# CINT2000 Result

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## Fujitsu Siemens Computers

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

SPECint2000 = 1575

SPECint\_base2000 = 1575

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	1000 2000 3000 4000			
164.gzip	1400	131	1070	131	1070	[Bar chart]			
175.vpr	1400	127	1100	127	1100	[Bar chart]			
176.gcc	1100	58.0	1897	58.0	1897	[Bar chart]			
181.mcf	1800	91.9	1959	91.9	1959	[Bar chart]			
186.crafy	1000	84.6	1182	84.6	1182	[Bar chart]			
197.parser	1800	134	1341	134	1341	[Bar chart]			
252.eon	1300	68.7	1892	68.7	1892	[Bar chart]			
253.perlbnk	1800	94.4	1907	94.4	1907	[Bar chart]			
254.gap	1100	62.9	1749	62.9	1749	[Bar chart]			
255.vortex	1900	70.3	2703	70.3	2703	[Bar chart]			
256.bzip2	1500	123	1218	123	1218	[Bar chart]			
300.twolf	3000	185	1626	185	1626	[Bar chart]			

### 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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