



# CINT2000 Result

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Fujitsu Siemens Computers  
CELSIUS H230, Intel Pentium M 780

SPECint2000 = 1839  
SPECint\_base2000 = 1812

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	
164.gzip	1400	105	1335	105	1332	
175.vpr	1400	92.7	1510	92.7	1511	
176.gcc	1100	55.1	1995	55.2	1994	
181.mcf	1800	98.8	1823	96.7	1861	
186.crafty	1000	57.9	1727	57.9	1728	
197.parser	1800	115	1570	115	1570	
252.eon	1300	57.6	2257	57.9	2246	
253.perlbmk	1800	93.2	1931	87.3	2062	
254.gap	1100	63.1	1744	63.0	1746	
255.vortex	1900	71.3	2666	65.7	2894	
256.bzip2	1500	114	1315	114	1315	
300.twolf	3000	127	2367	126	2390	

### Hardware

CPU: Intel Pentium M 780 (2.26 GHz)  
 CPU MHz: 2260  
 FPU: Integrated  
 CPU(s) enabled: 1 core, 1 chip, 1 core/chip  
 CPU(s) orderable: 1  
 Parallel: No  
 Primary Cache: 32KB(I) + 32KB(D) on chip  
 Secondary Cache: 2048KB(I+D) on chip  
 L3 Cache: N/A  
 Other Cache: N/A  
 Memory: 2 GB (2x1 GB DDRII 533, CL4-4-4)  
 Disk Subsystem: Serial ATA 7200 rpm  
 Other Hardware:

### Software

Operating System: Windows XP Professional, Service Pack 1  
 Compiler: Intel(R) C++ Compiler, Version 9.0 for 32-bit,  
 - Build 20050430Z Package ID: W\_CC\_P\_9.0.019  
 Microsoft Visual Studio .NET 2003 (for libraries)  
 MicroQuill SmartHeap Library 6.03a  
 File System: NTFS  
 System State: Default

## Notes/Tuning Information

### Portability flags:

176.gcc: -Dalloca=\_alloca /F10000000  
 186.crafty: -DNT\_i386  
 252.eon: Apporoved src.alt stdcpp is used  
 253.perlbmk: -DSPEC\_CPU2000\_NTOS -DPERLDLL /MT  
 254.gap: -DSYS\_HAS\_CALLOC\_PROTO -DSYS\_HAS\_MALLOC\_PROTO

### Feedback optimization:

+FDO: PASS1= -Qprof\_gen PASS2= -Qprof\_use

### Baseline Tuning Flags:

for C programs:  
 -QxB -Qipo -O3 +FDO  
 for C++ program 252.eon:  
 -QxB -Qipo -Qcxx\_features +FDO

### Peak Tuning Flags:

164.gzip: -QxB -Qipo -O3 +FDO  
 175.vpr: -QxB -Qipo -O3 +FDO  
 176.gcc: -QxB -Qipo -O3 +FDO



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## Notes/Tuning Information (Continued)

```
181.mcf:      -QxB -Qipo -O3 +FDO shlW32M.lib
186.crafty:   -QxB -Qipo -O3 +FDO
197.parser:   -QxB -Qipo -O3 +FDO
252.eon:      -QxB -Qipo -O3 -Qcxx_features +FDO
253.perlbnk:  -QxB -Qipo -O3 +FDO shlW32M.lib
254.gap:      -QxB -Qipo -O3 +FDO
255.vortex    -QxB -Qipo -O3 +FDO shlW32M.lib
256.bzip2:    -QxB -Qipo -O3 +FDO
300.twolf:    -QxB -Qipo -O3 +FDO shlW32M.lib
```

### Extra Libraries:

shlW32M.lib = Microquill SmartHeap Library 6.03a  
see [www.microquill.com](http://www.microquill.com)

For information about Fujitsu Siemens Computers in your country please see:  
<http://www.fujitsu-siemens.com/countries>