



# CINT2000 Result

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**Fujitsu Siemens Computers**  
CELSIUS M450 (Intel Core 2 Duo processor E6700)

SPECint2000 = 2847  
SPECint\_base2000 = 2836

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	
164.gzip	1400	84.2	1663	84.3	1660	
175.vpr	1400	67.9	2062	66.6	2102	
176.gcc	1100	34.1	3225	34.1	3225	
181.mcf	1800	39.9	4511	39.9	4509	
186.crafty	1000	41.0	2437	40.5	2466	
197.parser	1800	81.2	2218	80.9	2226	
252.eon	1300	37.3	3488	37.3	3489	
253.perlbmk	1800	54.0	3336	54.0	3335	
254.gap	1100	40.2	2738	39.4	2794	
255.vortex	1900	39.7	4786	39.7	4786	
256.bzip2	1500	69.8	2150	70.0	2144	
300.twolf	3000	98.1	3057	98.1	3057	

### Hardware

CPU: Intel Core 2 Duo processor E6700  
 CPU MHz: 2667  
 FPU: Integrated  
 CPU(s) enabled: 2 cores, 1 chip, 2 cores/chip  
 CPU(s) orderable: 1  
 Parallel: No  
 Primary Cache: 32KB(I) + 32KB(D) on chip, per core  
 Secondary Cache: 4096KB(I+D) on chip  
 L3 Cache: N/A  
 Other Cache: N/A  
 Memory: 4x 1GB PC2-5300 5-5-5 2Rank SDRAM  
 Disk Subsystem: 1 x 160GB SATA 7200 RPM  
 Other Hardware: None

### Software

Operating System: Windows XP Professional, Service Pack 2  
 Compiler: Intel(R) C++ Compiler for 32-bit app., Version 9.1,  
 - Build 20060519Z Package ID: W\_CC\_P\_9.1.025  
 Microsoft Visual Studio .NET 2003 (for libraries)  
 MicroQuill SmartHeap Library, Version 8 (shlW32M.lib)  
 File System: FAT32  
 System State: Default

## Notes/Tuning Information

### Portability flags:

176.gcc: -Dalloca=\_alloca /F10000000  
 186.crafty: -DNT\_i386  
 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:  
 -fast +FDO shlW32M.lib  
 for C++ program 252.eon:  
 -fast -Qcxx\_features +FDO

### Peak Tuning Flags:

164.gzip: -fast +FDO  
 175.vpr: -fast +FDO  
 176.gcc: basepeak=yes  
 181.mcf: -fast +FDO shlW32M.lib



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## Notes/Tuning Information (Continued)

186.crafty: -fast +FDO  
197.parser: -fast +FDO  
252.eon: -fast -Qcxx\_features +FDO  
253.perlbnk: -fast +FDO shlw32M.lib  
254.gap: -fast +FDO  
255.vortex -fast +FDO shlw32M.lib  
256.bzip2: -fast +FDO  
300.twolf: -fast +FDO shlw32M.lib

### Extra Libraries:

shlw32M.lib = Microquill SmartHeap Library 8  
see [www.microquill.com](http://www.microquill.com)

The system bus runs at 1066 MHz

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