



# CINT2000 Result

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Fujitsu Siemens Computers  
CELSIUS R640, Intel Xeon 5160 processor

SPECint2000 = 3050  
SPECint\_base2000 = 3039

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	75.4	1857	75.5	1855	
175.vpr	1400	63.6	2202	62.7	2234	
176.gcc	1100	33.7	3264	33.7	3264	
181.mcf	1800	44.0	4087	44.1	4081	
186.crafty	1000	36.6	2734	36.2	2766	
197.parser	1800	73.7	2443	73.4	2452	
252.eon	1300	33.2	3919	33.2	3921	
253.perlbmk	1800	48.8	3691	48.8	3691	
254.gap	1100	37.4	2942	36.8	2991	
255.vortex	1900	38.2	4976	38.2	4976	
256.bzip2	1500	63.6	2359	63.7	2355	
300.twolf	3000	88.0	3410	88.0	3411	

## Hardware

CPU: Intel Xeon 5160 processor (3.0 GHz, 1333 MHz system bus)  
CPU MHz: 3000  
FPU: Integrated  
CPU(s) enabled: 2 cores, 1 chip, 2 cores/chip  
CPU(s) orderable: 1,2 chips  
Parallel: No  
Primary Cache: 32KBI + 32KBD on chip, per core  
Secondary Cache: 4096KB(I+D) on chip, per chip  
L3 Cache: N/A  
Other Cache: N/A  
Memory: 8 GB (8x1 GB DDRII 5300F, 2rank, CL5-5-5, with ECC)  
Disk Subsystem: Serial ATA 7200 rpm  
Other Hardware:

## Software

Operating System: Windows XP, 64 bit Edition  
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: NTFS  
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)

Compilation was done in  
Windows XP Professional, Service Pack 2

Snoop Filter was enabled in BIOS

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