



# CINT2000 Result

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Fujitsu Siemens Computers  
CELSIUS R540, Intel Xeon 5130 processor

SPECint\_rate2000 = 87.7  
SPECint\_rate\_base2000 = 87.4

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

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	4	115	56.3	4	116	56.2
175.vpr	4	103	63.2	4	101	64.3
176.gcc	4	50.3	101	4	50.3	101
181.mcf	4	106	79.1	4	106	79.1
186.crafty	4	55.5	83.6	4	54.9	84.5
197.parser	4	116	71.8	4	116	72.0
252.eon	4	50.2	120	4	50.2	120
253.perlbnk	4	75.0	111	4	75.2	111
254.gap	4	58.3	87.6	4	57.3	89.1
255.vortex	4	59.4	148	4	59.4	148
256.bzip2	4	109	63.7	4	109	63.8
300.twolf	4	133	104	4	133	104

### Hardware

CPU: Intel Xeon 5130 processor (2.0 GHz, 1333 MHz system bus)  
CPU MHz: 2000  
FPU: Integrated  
CPU(s) enabled: 4 cores, 2 chips, 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: 4 GB (4x1 GB DDR2 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.perlbnk: -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

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