



CINT2000 Result

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Fujitsu Siemens Computers
CELSIUS R540, Intel Xeon 5110 processor

SPECint_rate2000 = 70.9
SPECint_rate_base2000 = 70.7

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	144	45.1	4	144	45.1
175.vpr	4	126	51.4	4	124	52.3
176.gcc	4	62.7	81.4	4	62.7	81.4
181.mcf	4	126	66.1	4	127	66.0
186.crafty	4	68.7	67.5	4	68.0	68.3
197.parser	4	145	57.4	4	144	58.2
252.eon	4	62.2	97.0	4	62.2	96.9
253.perlbnk	4	93.4	89.4	4	93.4	89.4
254.gap	4	71.8	71.1	4	71.1	71.8
255.vortex	4	73.2	120	4	73.2	120
256.bzip2	4	136	51.3	4	137	50.7
300.twolf	4	165	84.2	4	165	84.2

Hardware

CPU: Intel Xeon 5110 processor (1.6 GHz, 1066 MHz system bus)
CPU MHz: 1600
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 -Qcxxx_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

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>