



CINT2000 Result

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Fujitsu Siemens Computers
CELSIUS M440, Intel dual-core Pentium D 820

SPECint_rate2000 = 15.3
SPECint_rate_base2000 = 15.3

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

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	1	149	10.9	1	150	10.8
175.vpr	1	164	9.92	1	161	10.1
176.gcc	1	69.0	18.5	1	69.3	18.4
181.mcf	1	132	15.8	1	132	15.8
186.crafty	1	96.4	12.0	1	96.4	12.0
197.parser	1	161	13.0	1	161	13.0
252.eon	1	73.8	20.4	1	73.8	20.4
253.perlbnk	1	107	19.5	1	107	19.5
254.gap	1	70.4	18.1	1	69.9	18.3
255.vortex	1	83.6	26.4	1	83.6	26.4
256.bzip2	1	157	11.1	1	157	11.1
300.twolf	1	217	16.1	1	216	16.1

Hardware

CPU: Intel dual-core Pentium D processor 820
CPU MHz: 2800
FPU: Integrated
CPU(s) enabled: 2 cores, 1 chip, 2 cores/chip
CPU(s) orderable: 1
Parallel: No
Primary Cache: 12k micro-ops I + 16KBD on chip, per core
Secondary Cache: 1024KB(I+D) on chip, per core
L3 Cache: N/A
Other Cache: N/A
Memory: 4 GB (4x1 GB DDR2-533, 2rank, CL4-4-4, with ECC)
Disk Subsystem: Serial ATA 7200 rpm
Other Hardware:

Software

Operating System: Windows XP Professional, Service Pack 2
Compiler: Intel(R) C++ Compiler for 32-bit app., Version 9.0, - Build 20050912Z Package ID: W_CC_C_9.0.024
Microsoft Visual Studio .NET 2003 (for libraries)
MicroQuill SmartHeap Library 7.4
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: -fast +FDO
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.perlbmk: -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 7.4
see www.microquill.com
```

The system bus runs at 800 MHz

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