



CINT2000 Result

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

SPECint_rate2000 = 29.3
SPECint_rate_base2000 = 29.1

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	2	150	21.6	2	150	21.6
175.vpr	2	173	18.7	2	169	19.2
176.gcc	2	70.9	36.0	2	71.8	35.5
181.mcf	2	185	22.6	2	178	23.5
186.crafty	2	96.6	24.0	2	96.7	24.0
197.parser	2	163	25.5	2	163	25.6
252.eon	2	73.8	40.9	2	73.8	40.9
253.perlbnk	2	107	38.9	2	107	38.9
254.gap	2	75.2	33.9	2	74.4	34.3
255.vortex	2	86.1	51.2	2	86.1	51.2
256.bzip2	2	165	21.1	2	164	21.3
300.twolf	2	219	31.7	2	219	31.8

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.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 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>