CINT2000 Result

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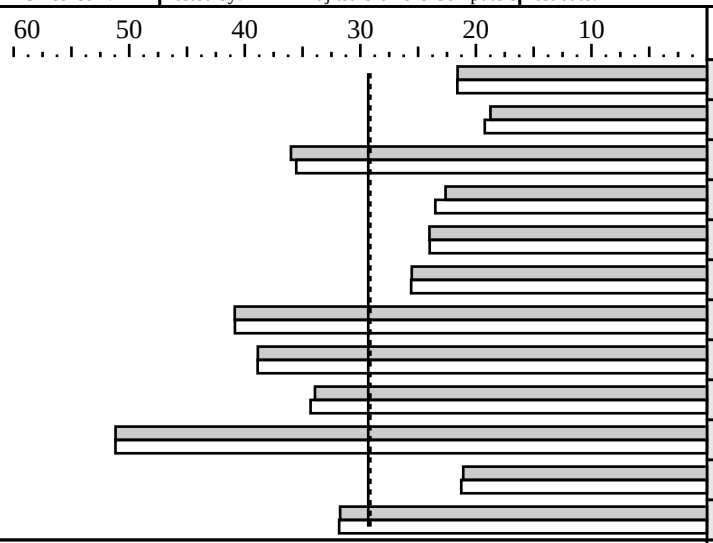
Fujitsu Siemens Computers

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.perlbmk	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.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:      -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
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