Fujitsu Siemens Computers
CELSIUS M440, Intel Pentium 4 630

SPECint2000 = 1493
SPECint_base2000 = 1492

Benchmark | Reference Time | Base Runtime | Base Ratio | Runtime | Ratio
--- | --- | --- | --- | --- | ---
164.gzip | 1400 | 140 | 1000 | 140 | 998
175.vr | 1400 | 135 | 1040 | 133 | 1053
176.gcc | 1100 | 62.0 | 1774 | 62.7 | 1754
181.mc | 1800 | 95.4 | 1887 | 95.3 | 1888
186.crafty | 1000 | 90.2 | 1109 | 90.2 | 1109
197.parser | 1800 | 143 | 1257 | 143 | 1259
252.eon | 1300 | 69.1 | 1880 | 69.1 | 1880
253.perlbmk | 1800 | 99.3 | 1813 | 99.3 | 1813
254.gap | 1100 | 66.7 | 1649 | 66.2 | 1663
255.vortex | 1900 | 74.4 | 2555 | 74.3 | 2556
256.bzip2 | 1500 | 132 | 1136 | 132 | 1135
300.twolf | 3000 | 195 | 1536 | 195 | 1535

Hardware
CPU: Intel Pentium 4 processor 630
CPU MHz: 3000
FPU: Integrated
CPU(s) enabled: 1 core, 1 chip, 1 core/chip (Hyper-Threading Technology disabled)
CPU(s) orderable: 1
Parallel: No
Primary Cache: 12k micro-ops I + 16KBD on chip
Secondary Cache: 2048KB(I+D) on chip
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

Software
Operating System: Windows XP Professional, Service Pack 2
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 -DPERLDDL /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.mc: -fast +FDO shlW32M.lib
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SPECint2000 = 1493
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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