



CINT2000 Result

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Fujitsu Siemens Computers
CELSIUS M440, Intel dual-core Pentium D 960

SPECint_rate2000 = 41.1
SPECint_rate_base2000 = 40.9

SPEC license #: 22 Tested by: Fujitsu Siemens Computers Test date: Jun-2006 Hardware Avail: May-2006 Software Avail: May-2006

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	2	114	28.6	2	114	28.5
175.vpr	2	118	27.6	2	116	28.1
176.gcc	2	51.4	49.7	2	51.4	49.7
181.mcf	2	100	41.6	2	101	41.6
186.crafty	2	73.9	31.4	2	73.3	31.7
197.parser	2	120	34.9	2	119	35.0
252.eon	2	53.1	56.8	2	53.1	56.8
253.perlbnk	2	81.8	51.0	2	81.9	51.0
254.gap	2	56.8	45.0	2	55.9	45.6
255.vortex	2	61.1	72.1	2	61.1	72.1
256.bzip2	2	113	30.7	2	114	30.6
300.twolf	2	162	42.9	2	162	42.9

Hardware

CPU: Intel Pentium D processor 960
 CPU MHz: 3600
 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 per core (on chip)
 Secondary Cache: 2 MB(I+D) per core (on chip)
 L3 Cache: N/A
 Other Cache: N/A
 Memory: 4 GB (4 x 1GB PC2-4200 DDR2 ECC modules)
 Disk Subsystem: Maxtor 6Y160M0 (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 9.1,
 - 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
```

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