CINT2000 Result

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Intel Corporation

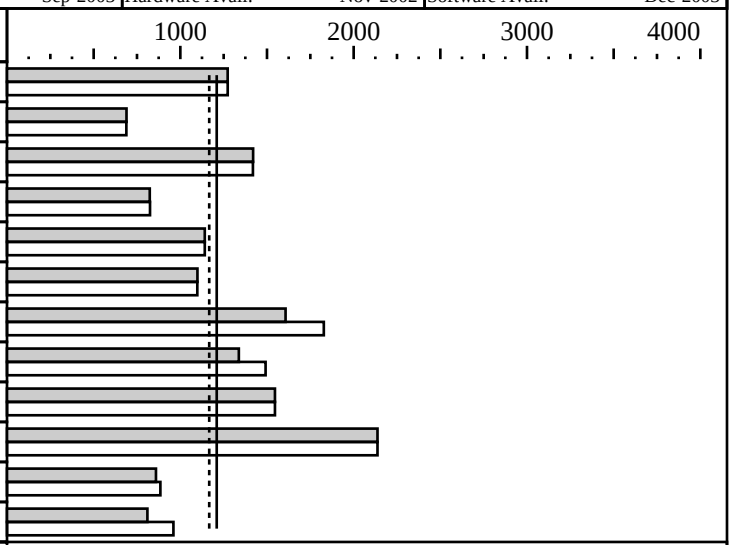
Intel D850EMVR motherboard (3.06 GHz, Pentium 4 processor with Hyper-Threading Technology)

SPECint2000 = 1210

SPECint_base2000 = 1167

SPEC license #: 13 | Tested by: Intel Corporation | Test date: Sep-2003 | Hardware Avail: Nov-2002 | Software Avail: Dec-2003

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
164.gzip	1400	110	1273	110	1273
175.vpr	1400	203	689	203	689
176.gcc	1100	77.5	1420	77.5	1419
181.mcf	1800	219	824	218	825
186.crafty	1000	87.6	1141	87.6	1141
197.parser	1800	164	1099	164	1098
252.eon	1300	80.9	1607	71.1	1828
253.perlbmk	1800	135	1338	121	1492
254.gap	1100	71.2	1546	71.2	1546
255.vortex	1900	88.9	2137	88.9	2137
256.bzip2	1500	175	859	170	885
300.twolf	3000	370	810	312	960



Hardware

CPU:	Intel Pentium 4 Processor with Hyper-Threading Technology(3.06 GHz, 533 MHz bus)
CPU MHz:	3067
FPU:	Integrated
CPU(s) enabled:	1 core, 1 chip, 1 core/chip (Hyper-Threading Technology enabled)
CPU(s) orderable:	1
Parallel:	No
Primary Cache:	12k micro-ops I + 8KBD on chip
Secondary Cache:	512KB(I+D) on chip
L3 Cache:	N/A
Other Cache:	N/A
Memory:	256 MB (2 128 MB PC1066-32 RDRAM non-ECC modules)
Disk Subsystem:	IBM 120GXP 80 GB IC35L080AVVA07-0 ATA-100
Other Hardware:	None

Software

Operating System:	Windows XP Professional Service Pack 1a
Compiler:	Intel C++ Compiler 8.0 Microsoft Visual Studio .Net 7.0(for libraries) MicroQuill SmartHeap library V6.0
File System:	FAT32
System State:	Default

Notes/Tuning Information

```
ONESTEP=yes    +FDO: PASS1=-Qprof_gen  PASS2=-Qprof_use
Base tuning for C programs:   -QxN -Qipo -O3 +FDO
Base tuning for C++ programs: -QxN -Qipo -GX -GR
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
Peak tuning:
164.gzip:     -QxN -Qipo -Oa -O3 +FDO
175.vpr:      -QxN -Qipo     -O3 +FDO
176.gcc:      -QxN -Qipo     -O3 +FDO
181.mcf:      -QxN -Qipo     -O3 +FDO
186.crafty:   -QxN -Qipo -Oa -O3 +FDO
197.parser:   -QxN -Qipo     -O3 +FDO
252.eon:      -QxN -Qipo     -O3 +FDO
253.perlbmk:  -QxN -Qipo     -O3 +FDO shlW32M.lib
254.gap:      basepeak=yes
255.vortex    basepeak=yes
256.bzip2:    -Qipo -Oa -Qunroll1 +FDO
```

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Notes/Tuning Information (Continued)

300.twolf: -QxN -Qipo -O3 +FDO shlW32M.lib
Tested systems can be used with Shin-G ATX case, Delta Inc. power supply PS-300GB-1
Product description located as of 9/2003:
http://developer.intel.com/design/motherbd/mv2/index.htm
The system bus runs at 533 MHz
shlW32M.lib is the SmartHeap library V6.0 from http://www.microquill.com/smartheap/index.html
An AGP video card is installed