CINT2000 Result

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Intel Corporation

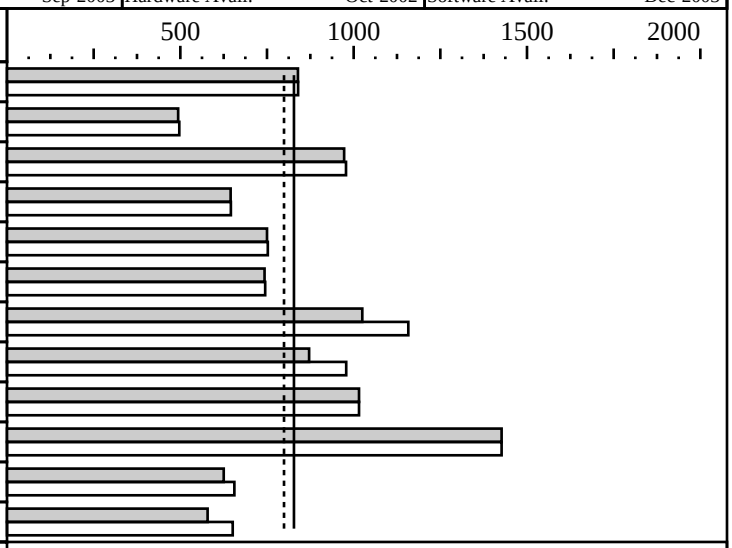
Intel D850EMVR motherboard (2.0A GHz, Pentium 4 processor)

SPECint2000 = 828

SPECint_base2000 = 799

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
164.gzip	1400	167	839	167	840
175.vpr	1400	284	494	282	497
176.gcc	1100	113	973	112	978
181.mcf	1800	279	645	279	646
186.crafty	1000	133	750	133	752
197.parser	1800	242	743	242	745
252.eon	1300	127	1025	112	1158
253.perlbmk	1800	207	871	184	979
254.gap	1100	108	1015	108	1015
255.vortex	1900	133	1427	133	1427
256.bzip2	1500	240	625	229	656
300.twolf	3000	518	579	461	651



Hardware

CPU:	Intel Pentium 4 Processor (2.0A GHz, 400 MHz bus)
CPU MHz:	2000
FPU:	Integrated
CPU(s) enabled:	1 core, 1 chip, 1 core/chip
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 400 MHz
shlW32M.lib is the SmartHeap library V6.0 from http://www.microquill.com/smartheap/index.html
An AGP video card is installed