CINT2000 Result

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Intel Corporation

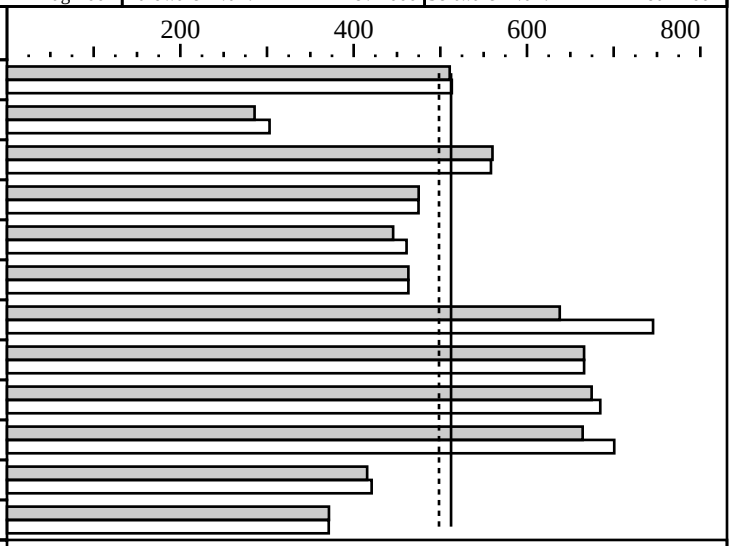
Intel D850GB motherboard (1.4 GHz, Pentium 4 processor)

SPECint2000 = 512

SPECint_base2000 = 498

SPEC license #: 13 | Tested by: Intel Corporation | Test date: Aug-2001 | Hardware Avail: Nov-2000 | Software Avail: Jun-2001

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
164.gzip	1400	274	511	273	513
175.vpr	1400	490	286	462	303
176.gcc	1100	196	560	197	558
181.mcf	1800	379	475	379	475
186.crafty	1000	224	446	217	461
197.parser	1800	389	463	389	463
252.eon	1300	204	638	174	745
253.perlbmk	1800	270	666	270	666
254.gap	1100	163	675	161	685
255.vortex	1900	286	664	271	701
256.bzip2	1500	361	416	357	421
300.twolf	3000	808	371	808	371



Hardware

CPU:	Pentium 4 processor (1.4 GHz, 400 MHz bus)
CPU MHz:	1400
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:	256KB(I+D) on chip
L3 Cache:	N/A
Other Cache:	N/A
Memory:	256 MB (2 128 MB PC800 RDRAM non-ECC modules)
Disk Subsystem:	IBM DTLA-307030 ATA-100
Other Hardware:	None

Software

Operating System:	Windows 2000(Build 2195, SP2)
Compiler:	Intel C++ Compiler 5.0.1 Build 010525Z Microsoft Visual C++ 6.0 SP5(for libraries) MicroQuill SmartHeap library V6.0
File System:	FAT32
System State:	Default

Notes/Tuning Information

```
+FDO: PASS1=-Qprof_gen  PASS2=-Qprof_use
Base tuning for C programs:   -QxW -Qipo shlW32M.lib +FDO
Base tuning for C++ programs: -QxW -Qipo -GX -GR
shlW32M.lib is the SmartHeap library V6.0 from MicroQuill www.microquill.com
Portability flags:
176.gcc: -Dalloca=_alloca /F10000000
186.crafy: -DNT_i386
253.perlbmk: -DSPEC_CPU2000_NTOS -DPERLDLL /MT
254.gap: -DSYS_HAS_CALLOC_PROTO -DSYS_HAS_MALLOC_PROTO
Peak tuning:
164.gzip:     -QxW -Qipo -Oa shlW32M.lib +FDO
175.vpr:      -QxW -Qwp_ipo +FDO
176.gcc:      -QxW -Qipo shlW32M.lib +FDO
181.mcf:      -QxW -Qipo shlW32M.lib +FDO
186.crafty:   -QxW -Qipo -Oa shlW32M.lib +FDO
197.parser:   -QxW -Qipo shlW32M.lib +FDO
252.eon:      -QxW -Qipo +FDO
253.perlbmk:  -QxW -Qipo shlW32M.lib +FDO
254.gap:      -QxW -Qipo +FDO
255.vortex    -QxW -Qwp_ipo -Oa shlW32M.lib +FDO
```

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Notes/Tuning Information (Continued)

```
256.bzip2:    -QxW -Qipo -Oa +FDO
300.twolf:    -QxW -Qipo shlW32M.lib +FDO
Tested systems can be used with Shin-G ATX case, Delta Inc. power supply PS-300GB-1 B
Product description located as of 11/2000:
http://developer.intel.com/design/motherbd/gb/gb_ds.htm
Motherboard is available through Intel OEM Distribution Channel. See
http://channel.intel.com/business/ibp/boards/d850gb.htm for more information
The system bus runs at 400 MHz
```