CINT2000 Result

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Intel Corporation

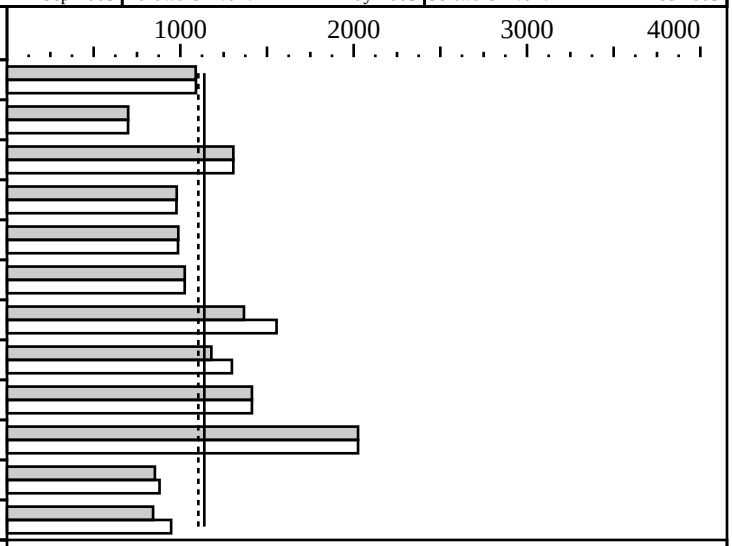
Intel D875PBZ motherboard (2.60C GHz, Pentium 4 processor with Hyper-Threading Technology)

SPECint2000 = 1138

SPECint_base2000 = 1104

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
164.gzip	1400	129	1089	128	1090
175.vpr	1400	200	699	200	698
176.gcc	1100	84.2	1306	84.3	1306
181.mcf	1800	184	979	184	978
186.crafty	1000	101	988	101	987
197.parser	1800	176	1025	176	1025
252.eon	1300	95.1	1367	83.6	1555
253.perlbmk	1800	153	1179	139	1297
254.gap	1100	77.8	1413	77.8	1413
255.vortex	1900	93.8	2025	93.8	2025
256.bzip2	1500	176	853	170	880
300.twolf	3000	356	843	317	947



Hardware

CPU:	Intel Pentium 4 Processor with Hyper-Threading Technology(2.60C GHz, 800 MHz bus)
CPU MHz:	2600
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:	512 MB (4 128 MB PC3200 Samsung CL3-3-3)
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/bz/index.htm
Motherboard is available through Intel OEM Distribution Channel. See
http://www.intel.com/cd/channel/reseller/asmo-na/eng/products/box_desktop_boards/p4_boards/p4_dsk_board_d875pbz/index.htm
The system bus runs at 800 MHz
shlW32M.lib is the SmartHeap library V6.0 from http://www.microquill.com/smartheap/index.html
An AGP video card is installed