CINT2000 Result

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Intel Corporation

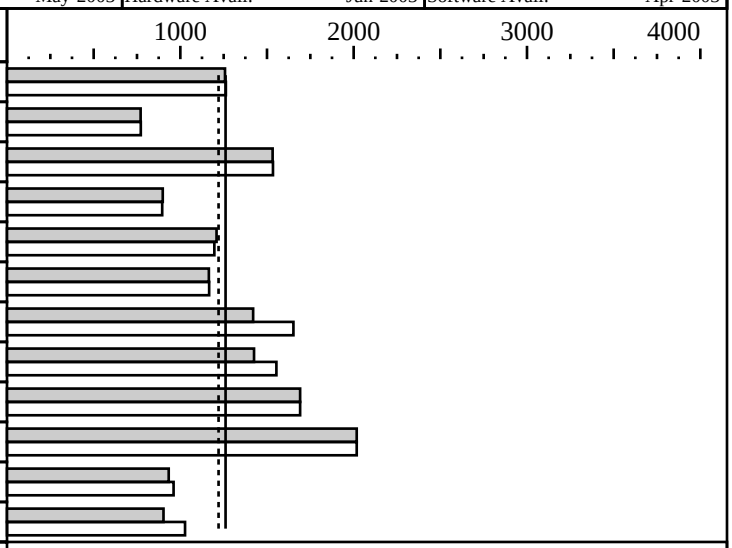
Intel D875PBZ motherboard (3.2 GHz, Pentium 4 processor with Hyper-Threading Technology)

SPECint2000 = 1261

SPECint_base2000 = 1221

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
164.gzip	1400	111	1258	111	1263
175.vpr	1400	182	771	181	772
176.gcc	1100	71.8	1532	71.7	1534
181.mcf	1800	200	899	201	895
186.crafty	1000	82.7	1209	83.6	1196
197.parser	1800	155	1165	154	1166
252.eon	1300	91.5	1420	78.7	1652
253.perlbmk	1800	126	1425	116	1554
254.gap	1100	65.0	1691	65.0	1691
255.vortex	1900	94.2	2018	94.2	2018
256.bzip2	1500	161	933	156	961
300.twolf	3000	332	903	292	1027



Hardware

CPU:	Intel Pentium 4 Processor with Hyper-Threading Technology(3.2 GHz, 800 MHz bus)
CPU MHz:	3200
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(Build 2600)
Compiler:	Intel C++ Compiler 7.1 Build 20030224Z Microsoft Visual Studio .Net 7.0.9466(for libraries)
File System:	FAT32
System State:	Default

Notes/Tuning Information

```
ONESTEP=yes    +FDO: PASS1=-Qprof_gen  PASS2=-Qprof_use
Base tuning for C programs:   -QxW -Qipo -O3 +FDO
Base tuning for C++ programs: -QxW -Qipo -GX -GR
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 -O3 +FDO
175.vpr:      -QxW -Qipo     -O3 +FDO
176.gcc:      -QxW -Qipo     -O3 +FDO
181.mcf:      -QxW -Qipo     -O3 +FDO
186.crafty:   -QxW -Qipo -Oa -O3 +FDO
197.parser:   -QxW -Qipo     -O3 +FDO
252.eon:      -QxW -Qipo     -O3 +FDO
253.perlbmk:  -QxW -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: -QxW -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 4/2003:
http://developer.intel.com/design/motherbd/bz/index.htm
Motherboard is available through Intel OEM Distribution Channel. See
http://program.intel.com/shared/products/boards/d875pbz/index.htm
The system bus runs at 800 MHz