CINT2000 Result

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Intel Corporation

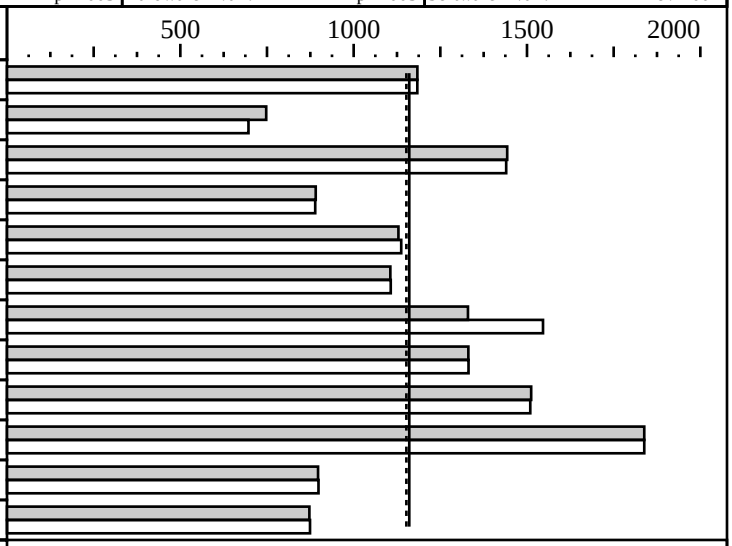
Intel D875PBZ motherboard (3.0 GHz, Pentium 4 processor with Hyper-Threading Technology)

SPECint2000 = 1160

SPECint_base2000 = 1152

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
164.gzip	1400	118	1184	118	1184
175.vpr	1400	187	748	201	697
176.gcc	1100	76.2	1443	76.4	1440
181.mcf	1800	202	891	202	889
186.crafty	1000	88.6	1129	87.9	1137
197.parser	1800	163	1106	163	1107
252.eon	1300	97.8	1330	84.1	1546
253.perlbmk	1800	135	1331	135	1331
254.gap	1100	72.8	1512	72.9	1509
255.vortex	1900	103	1838	103	1838
256.bzip2	1500	167	897	167	899
300.twolf	3000	344	872	343	874



Hardware

CPU:	Intel Pentium 4 Processor with Hyper-Threading Technology(3.0 GHz, 800 MHz bus)
CPU MHz:	3000
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(Build 2600) SP1
Compiler:	Intel C++ Compiler 7.0 Build 021018Z Microsoft Visual Studio .Net 7.0.9466(for libraries)
File System:	FAT32
System State:	Default

Notes/Tuning Information

```
+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 -Qwp_ipo -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
254.gap:      -QxW -Qipo -O3 +FDO
255.vortex    basepeak=yes
256.bzip2:    -QxW -Qipo -Oa -O3 +FDO
```

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Notes/Tuning Information (Continued)

300.twolf: -QxW -Qipo -O3 +FDO
Tested systems can be used with Shin-G ATX case, Delta Inc. power supply PS-300GB-1 B
Product description located as of 4/2003:
http://developer.intel.com/design/motherbd/bz/index.htm
Motherboard ordering information is available at:
http://program.intel.com/shared/products/boards/d875pbz/index.htm
The system bus runs at 800 MHz