CINT2000 Result

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Intel Corporation

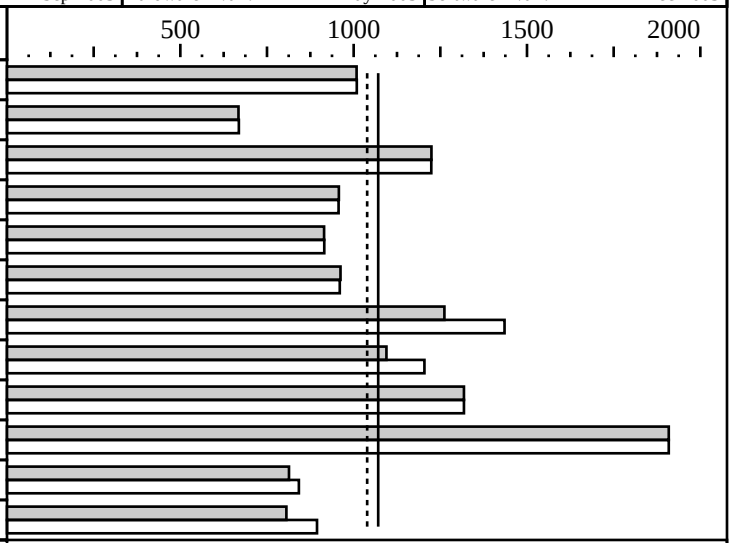
Intel D875PBZ motherboard (2.40C GHz, Pentium 4 processor with Hyper-Threading Technology)

SPECint2000 = 1071

SPECint_base2000 = 1039

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	139	1008	139	1009
175.vpr	1400	210	668	209	669
176.gcc	1100	89.8	1224	89.9	1224
181.mcf	1800	188	957	188	956
186.crafty	1000	109	915	109	915
197.parser	1800	187	962	188	960
252.eon	1300	103	1262	90.6	1435
253.perlbmk	1800	164	1095	149	1204
254.gap	1100	83.5	1318	83.5	1318
255.vortex	1900	99.5	1909	99.5	1909
256.bzip2	1500	184	813	178	842
300.twolf	3000	372	806	335	894



Hardware

CPU:	Intel Pentium 4 Processor with Hyper-Threading Technology(2.40C GHz, 800 MHz bus)
CPU MHz:	2400
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