CINT2000 Result

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Intel Corporation

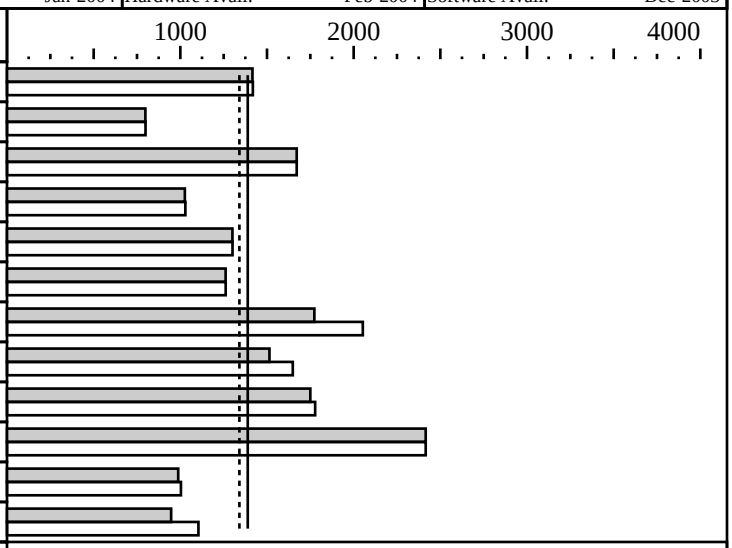
Intel D875PBZ motherboard (3.4 GHz, Pentium 4 processor with Hyper-Threading Technology)

SPECint2000 = 1389

SPECint_base2000 = 1341

SPEC license #: 13 | Tested by: Intel Corporation | Test date: Jan-2004 | Hardware Avail: Feb-2004 | Software Avail: Dec-2003

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
164.gzip	1400	98.9	1416	98.7	1418
175.vpr	1400	175	798	175	799
176.gcc	1100	65.8	1671	65.8	1671
181.mcf	1800	175	1026	175	1029
186.crafty	1000	76.9	1301	76.9	1301
197.parser	1800	143	1261	143	1262
252.eon	1300	73.3	1773	63.3	2053
253.perlbmk	1800	119	1514	109	1649
254.gap	1100	62.9	1750	61.9	1778
255.vortex	1900	78.7	2416	78.7	2416
256.bzip2	1500	152	988	149	1003
300.twolf	3000	317	947	272	1104



Hardware

CPU:	Intel Pentium 4 Processor with Hyper-Threading Technology(3.4 GHz, 800 MHz bus)
CPU MHz:	3400
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:	1 GB(2 512MB PC3200 Samsung Double-sided CL3-3-3 DIMMs)
Disk Subsystem:	Seagate ST3160023AS 160 GB Serial ATA (7200 RPM, 8MB cache)
Other Hardware:	None

Software

Operating System:	Windows XP Professional Service Pack 1a
Compiler:	Intel C++ Compiler 8.0 Build 20031017Z Microsoft Visual Studio .Net 7.0(for libraries) MicroQuill SmartHeap library V6.0
File System:	NTFS
System State:	Default

Notes/Tuning Information

```
ONESTEP=yes for all base and peak runs    +FDO: PASS1=-Qprof_gen  PASS2=-Qprof_use
Base tuning for C programs:   -QxN -fast -Qansi_alias +FDO
Base tuning for C++ programs: -QxN -fast -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:     -QxN -fast -Qansi_alias -Oa  +FDO
175.vpr:      -QxN -fast -Qansi_alias +FDO
176.gcc:      -QxN -fast -Qansi_alias +FDO
181.mcf:      -QxN -fast -Qansi_alias +FDO
186.crafty:   -QxN -fast -Qansi_alias -Oa +FDO
197.parser:   -QxN -fast -Qansi_alias  +FDO
252.eon:      -QxN -O2 -Qipo +FDO
253.perlbmk:  -QxN -fast -Qansi_alias +FDO shlW32M.lib
254.gap:      -QxN -fast -Qunroll1 -Zp8 +FDO
255.vortex    basepeak=yes
256.bzip2:    -fast -Oa -Qunroll1 +FDO
```

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Notes/Tuning Information (Continued)

300.twolf: -QxN -fast -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 and Hyper-Threading Technologyis enabled