CINT2000 Result

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Intel Corporation

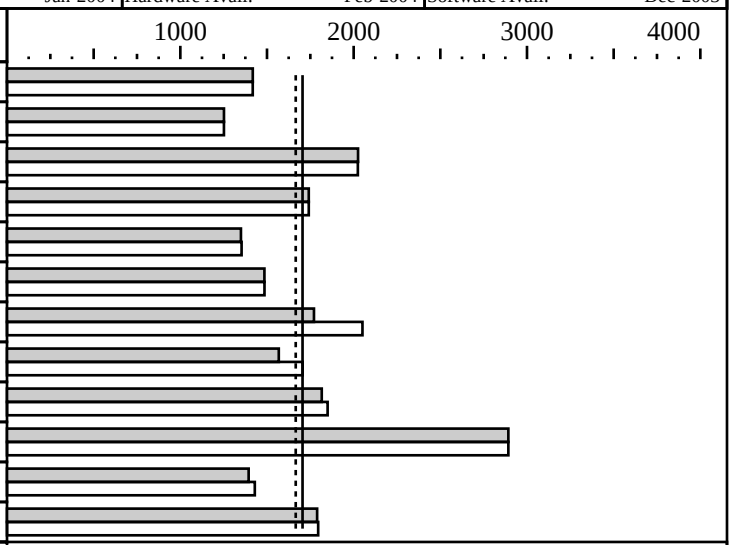
Intel D875PBZ motherboard (AA-206)(3.4 GHz, Pentium 4 Processor with Hyper-Threading Technology Extreme Edition)

SPECint2000 = 1705

SPECint_base2000 = 1666

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	98.7	1418	98.8	1418
175.vpr	1400	112	1252	112	1252
176.gcc	1100	54.3	2025	54.3	2024
181.mcf	1800	103	1741	103	1741
186.crafty	1000	74.1	1350	73.9	1353
197.parser	1800	121	1485	121	1485
252.eon	1300	73.4	1771	63.4	2051
253.perlbmk	1800	115	1568	106	1706
254.gap	1100	60.6	1816	59.5	1850
255.vortex	1900	65.7	2892	65.7	2892
256.bzip2	1500	108	1394	105	1430
300.twolf	3000	168	1789	167	1795



Hardware

CPU:	Intel Pentium 4 Processor with Hyper-Threading Technology Extreme Edition (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:	2MB (I+D) on chip
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

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+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