CINT2000 Result

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Intel Corporation

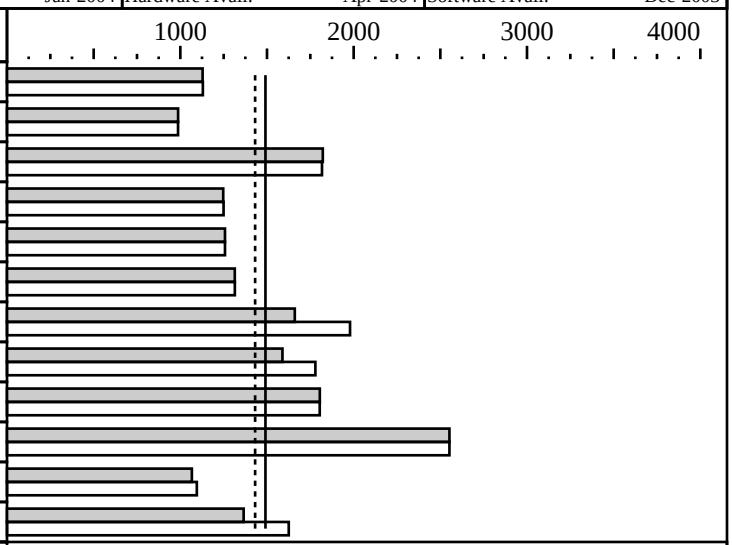
Intel D875PBZ motherboard (AA-301) (3.4E GHz, Pentium 4 Processor with HT Technology)

SPECint2000 = 1491

SPECint_base2000 = 1432

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
164.gzip	1400	124	1128	124	1130
175.vpr	1400	142	987	142	987
176.gcc	1100	60.4	1822	60.5	1817
181.mcf	1800	144	1247	144	1249
186.crafty	1000	79.5	1258	79.5	1258
197.parser	1800	137	1314	137	1314
252.eon	1300	78.3	1660	65.7	1979
253.perlbmk	1800	113	1589	101	1779
254.gap	1100	61.0	1805	61.0	1804
255.vortex	1900	74.4	2552	74.4	2552
256.bzip2	1500	141	1067	137	1095
300.twolf	3000	220	1365	185	1625



Hardware

CPU:	Intel Pentium 4 Processor with HT Technology (3.4E GHz, 800 MHz bus)
CPU MHz:	3400
FPU:	Integrated
CPU(s) enabled:	1 core, 1 chip, 1 core/chip (HT Technology enabled)
CPU(s) orderable:	1
Parallel:	No
Primary Cache:	12k micro-ops I + 16KBD on chip
Secondary Cache:	1MB(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

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ONESTEP=yes for all base and peak runs    +FDO: PASS1=-Qprof_gen  PASS2=-Qprof_use (Qxp not used in PASS1)
Base tuning for C programs:   -QxP -fast -Qansi_alias +FDO
Base tuning for C++ programs: -QxP -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:     -QxP -fast -Qansi_alias -Oa  +FDO
175.vpr:      -QxP -fast -Qansi_alias +FDO
176.gcc:      -QxP -fast -Qansi_alias +FDO
181.mcf:      -QxP -fast -Qansi_alias +FDO
186.crafty:   -QxP -fast -Qansi_alias -Oa +FDO
197.parser:   -QxP -fast -Qansi_alias  +FDO
252.eon:      -QxP -O2 -Qipo +FDO
253.perlbmk:  -QxP -fast -Qansi_alias +FDO shlW32M.lib
254.gap:      -QxP -fast -Qunroll1 -Zp8 +FDO
255.vortex    basepeak=yes
256.bzip2:    -fast -Oa -Qunroll1 +FDO
```

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Notes/Tuning Information (Continued)

300.twolf: -QxP -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 HT Technology is enabled