CINT2000 Result

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Intel Corporation

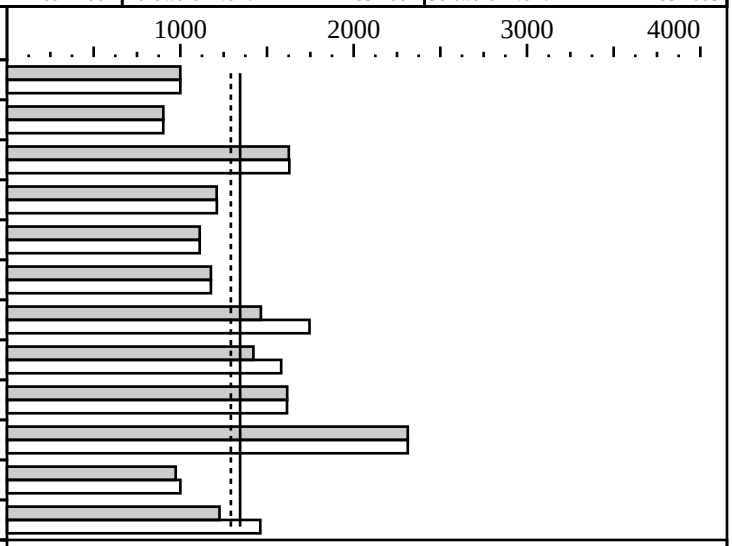
Intel D875PBZ motherboard (AA-301) (3.0E GHz, Pentium 4 Processor with Hyper-Threading Technology)

SPECint2000 = 1345

SPECint_base2000 = 1292

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	140	1000	140	1000
175.vpr	1400	155	902	155	901
176.gcc	1100	67.7	1626	67.5	1629
181.mcf	1800	149	1210	149	1211
186.crafty	1000	89.9	1112	90.0	1112
197.parser	1800	153	1176	153	1176
252.eon	1300	88.8	1465	74.5	1745
253.perlbmk	1800	127	1422	114	1582
254.gap	1100	68.0	1617	68.1	1615
255.vortex	1900	82.2	2312	82.2	2312
256.bzip2	1500	154	973	150	1000
300.twolf	3000	245	1226	205	1461



Hardware

CPU:	Intel Pentium 4 Processor with Hyper-Threading Technology(3.0E 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 + 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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+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