CINT2000 Result

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Intel Corporation

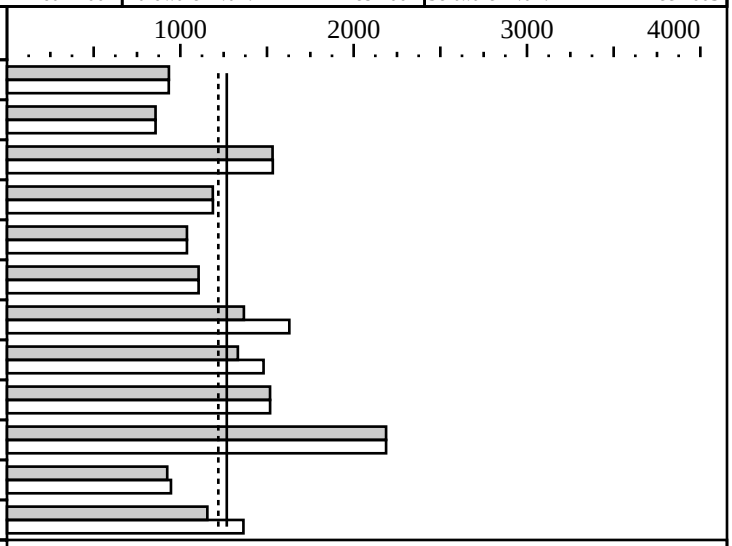
Intel D875PBZ motherboard (AA-301) (2.8E GHz, Pentium 4 Processor with Hyper-Threading Technology)

SPECint2000 = 1268

SPECint_base2000 = 1219

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	150	934	150	933
175.vpr	1400	163	857	163	857
176.gcc	1100	71.8	1532	71.7	1533
181.mcf	1800	152	1187	152	1188
186.crafty	1000	96.3	1038	96.3	1038
197.parser	1800	163	1105	163	1105
252.eon	1300	95.1	1367	79.8	1629
253.perlbmk	1800	135	1332	122	1480
254.gap	1100	72.5	1518	72.5	1518
255.vortex	1900	86.9	2187	86.9	2187
256.bzip2	1500	162	924	159	946
300.twolf	3000	260	1156	220	1364



Hardware

CPU:	Intel Pentium 4 Processor with Hyper-Threading Technology(2.8E GHz, 800 MHz bus)
CPU MHz:	2800
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

```
+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