# CINT2000 Result



## Intel Corporation

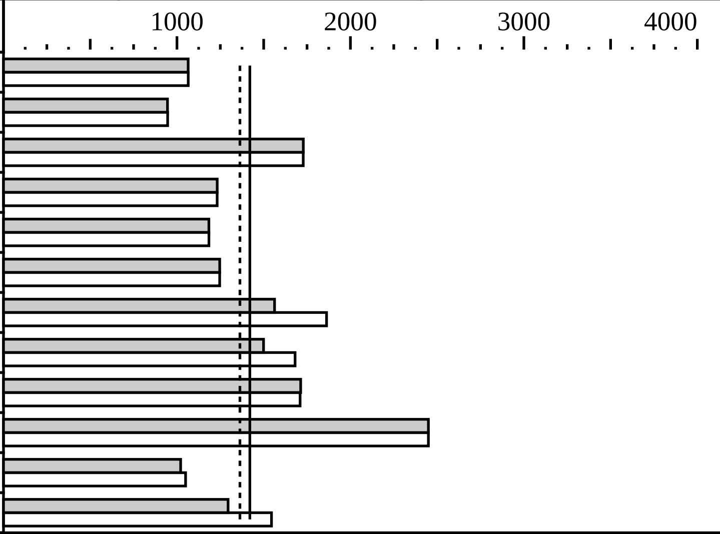
Intel D875PBZ motherboard (AA-301) (3.2E GHz, Pentium 4 Processor with Hyper-Threading Technology)

SPECint2000 = 1420

SPECint_base2000 = 1363

| 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 | 132 | 1065 | 131 | 1065 |
| 175.vpr | 1400 | 148 | 945 | 148 | 946 |
| 176.gcc | 1100 | 63.6 | 1728 | 63.7 | 1728 |
| 181.mcf | 1800 | 146 | 1232 | 146 | 1232 |
| 186.crafty | 1000 | 84.5 | 1184 | 84.4 | 1184 |
| 197.parser | 1800 | 144 | 1246 | 144 | 1246 |
| 252.eon | 1300 | 83.2 | 1563 | 69.8 | 1863 |
| 253.perlbmk | 1800 | 120 | 1499 | 107 | 1681 |
| 254.gap | 1100 | 64.2 | 1713 | 64.3 | 1710 |
| 255.vortex | 1900 | 77.6 | 2450 | 77.6 | 2450 |
| 256.bzip2 | 1500 | 147 | 1021 | 143 | 1050 |
| 300.twolf | 3000 | 232 | 1295 | 194 | 1545 |




### Hardware

| | |
|---|---|
| CPU: | Intel Pentium 4 Processor with Hyper-Threading Technology(3.2E GHz, 800 MHz bus) |
| CPU MHz: | 3200 |
| 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<br>Microsoft Visual Studio .Net 7.0(for libraries)<br>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 (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 Hyper-Threading Technologyis enabled
```