# CINT2000 Result

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## Intel Corporation

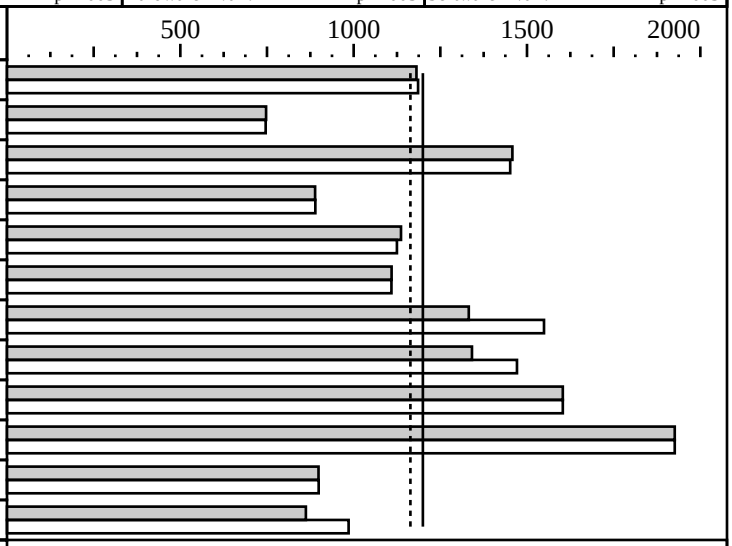
Intel D875PBZ motherboard (3.0 GHz, Pentium 4 processor with Hyper-Threading Technology)

SPECint2000 = 1200

SPECint_base2000 = 1164

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

| Benchmark | Reference Time | Base Runtime | Base Ratio | Runtime | Ratio |
|---|---|---|---|---|---|
| 164.gzip | 1400 | 119 | 1181 | 118 | 1186 |
| 175.vpr | 1400 | 187 | 747 | 188 | 746 |
| 176.gcc | 1100 | 75.5 | 1458 | 75.8 | 1452 |
| 181.mcf | 1800 | 203 | 889 | 202 | 889 |
| 186.crafty | 1000 | 88.0 | 1137 | 88.9 | 1125 |
| 197.parser | 1800 | 162 | 1109 | 162 | 1109 |
| 252.eon | 1300 | 97.6 | 1332 | 83.9 | 1549 |
| 253.perlbmk | 1800 | 134 | 1341 | 122 | 1471 |
| 254.gap | 1100 | 68.6 | 1603 | 68.6 | 1603 |
| 255.vortex | 1900 | 98.6 | 1926 | 98.6 | 1926 |
| 256.bzip2 | 1500 | 167 | 899 | 167 | 899 |
| 300.twolf | 3000 | 348 | 862 | 304 | 985 |




### Hardware

| | |
|---|---|
| CPU: | Intel Pentium 4 Processor with Hyper-Threading Technology(3.0 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 + 8KBD on chip |
| Secondary Cache: | 512KB(I+D) on chip |
| L3 Cache: | N/A |
| Other Cache: | N/A |
| Memory: | 512 MB (4 128 MB PC3200 Samsung CL3-3-3) |
| Disk Subsystem: | IBM 120GXP 80 GB IC35L080AVVA07-0 ATA-100 |
| Other Hardware: | None |

### Software

| | |
|---|---|
| Operating System: | Windows XP Professional(Build 2600) SP1 |
| Compiler: | Intel C++ Compiler 7.1 Build 030307Z<br>Microsoft Visual Studio .Net 7.0.9466(for libraries)<br>SmartHeap library V6.0 http://www.microquill.com/ |
| File System: | FAT32 |
| System State: | Default |

## Notes/Tuning Information

```
+FDO: PASS1=-Qprof_gen  PASS2=-Qprof_use
Base tuning for C programs:   -QxW -Qipo -O3 +FDO
Base tuning for C++ programs: -QxW -Qipo -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:     -QxW -Qipo -Oa -O3 +FDO
175.vpr:      -QxW -Qipo     -O3 +FDO
176.gcc:      -QxW -Qipo     -O3 +FDO
181.mcf:      -QxW -Qipo     -O3 +FDO
186.crafty:   -QxW -Qipo     -Oa -O3 +FDO
197.parser:   -QxW -Qipo     -O3 +FDO
252.eon:      -QxW -Qipo     -O3 +FDO
253.perlbmk:  -QxW -Qipo     -O3 +FDO shlW32M.lib
254.gap:      basepeak=yes
255.vortex    basepeak=yes
256.bzip2:    -QxW -Qipo -Oa -O3 +FDO shlW32M.lib
```

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## Notes/Tuning Information (Continued)

```
300.twolf:    -QxW -Qipo     -O3 +FDO shlW32M.lib
Tested systems can be used with Shin-G ATX case, Delta Inc. power supply PS-300GB-1 B
Product description located as of 4/2003:
http://developer.intel.com/design/motherbd/bz/index.htm
Motherboard ordering information is available at:
http://program.intel.com/shared/products/boards/d875pbz/index.htm
The system bus runs at 800 MHz
```