# CINT2000 Result

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## Intel Corporation

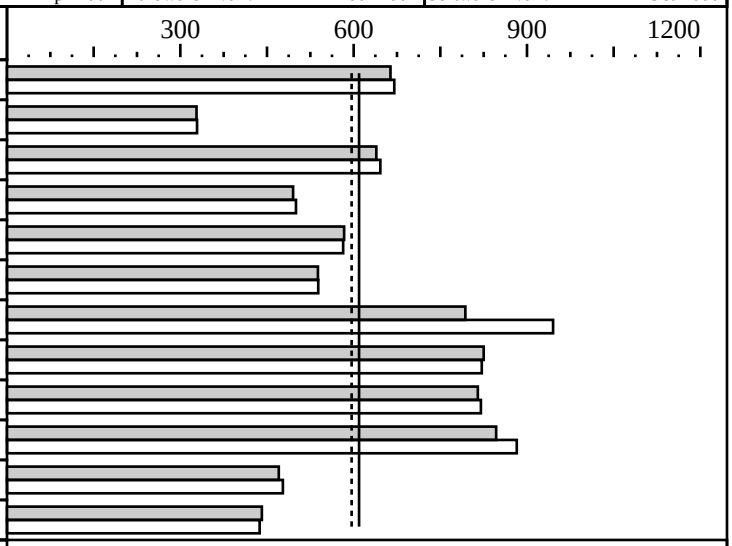
Intel D850GB motherboard(1.8 GHz, Pentium 4 processor)

SPECint2000 = 609

SPECint_base2000 = 596

SPEC license #: 13 | Tested by: Intel Corporation | Test date: Apr-2001 | Hardware Avail: Jul-2001 | Software Avail: Oct-2000

| Benchmark | Reference Time | Base Runtime | Base Ratio | Runtime | Ratio |
|---|---|---|---|---|---|
| 164.gzip | 1400 | 211 | 664 | 209 | 670 |
| 175.vpr | 1400 | 427 | 328 | 426 | 329 |
| 176.gcc | 1100 | 172 | 639 | 170 | 646 |
| 181.mcf | 1800 | 364 | 495 | 360 | 500 |
| 186.crafty | 1000 | 171 | 583 | 172 | 582 |
| 197.parser | 1800 | 334 | 538 | 334 | 539 |
| 252.eon | 1300 | 164 | 793 | 138 | 945 |
| 253.perlbmk | 1800 | 218 | 825 | 219 | 822 |
| 254.gap | 1100 | 135 | 815 | 134 | 820 |
| 255.vortex | 1900 | 224 | 847 | 215 | 882 |
| 256.bzip2 | 1500 | 319 | 470 | 314 | 477 |
| 300.twolf | 3000 | 680 | 441 | 686 | 437 |




### Hardware

| | |
|---|---|
| CPU: | Pentium 4 processor (1.8 GHz, 400 MHz bus) |
| CPU MHz: | 1800 |
| FPU: | Integrated |
| CPU(s) enabled: | 1 core, 1 chip, 1 core/chip |
| CPU(s) orderable: | 1 |
| Parallel: | No |
| Primary Cache: | 12k micro-ops I + 8KBD |
| Secondary Cache: | 256KB(I+D) on chip |
| L3 Cache: | N/A |
| Other Cache: | N/A |
| Memory: | 256 MB (2 128 MB PC800 RDRAM non-ECC modules) |
| Disk Subsystem: | IBM DTLA-307030 ATA-100 |
| Other Hardware: | None |

### Software

| | |
|---|---|
| Operating System: | Windows 2000 (Build 2195) Service Pack 1 |
| Compiler: | Intel C/C++ Compiler 5.0 Build 001120, Microsoft Visual C++ 6.0(for libraries) Other software: Microquill SmartHeap V5.0 |
| File System: | FAT32 |
| System State: | Default |

## Notes/Tuning Information

```
+FDO: PASS1=-Qprof_gen  PASS2=-Qprof_use
Base tuning for C programs:   -QxW -Qipo shlW32M.lib +FDO
Base tuning for C++ programs: -QxW -Qipo -GX -GR
shlW32M.lib is the SmartHeap library V5.0 from MicroQuill www.microquill.com
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, 175.vpr, 176.gcc, 181.mcf, 186.crafty, 197.parser
253.perlbmk, 254.gap, 300.twolf:
-QxW -Qipo +FDO shlW32M.lib
255.vortex, 256.bzip2:
-QxW -Qipo +FDO -Oa shlW32M.lib
252.eon:
-QxW -Qipo +FDO
Tested systems can be used with Shin-G ATX case, Delta Inc. power supply PS-300GB-1 B
Product description located as of 11/2000:
http://developer.intel.com/design/motherbd/gb/gb_ds.htm
```

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|---|---|---|---|---|

## Notes/Tuning Information (Continued)

Motherboard is available through Intel OEM Distribution Channel. See
http://channel.intel.com/business/ibp/boards/d850gb.htm for more information
The system bus runs at 400 MHz