# CINT2000 Result

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## Intel Corporation

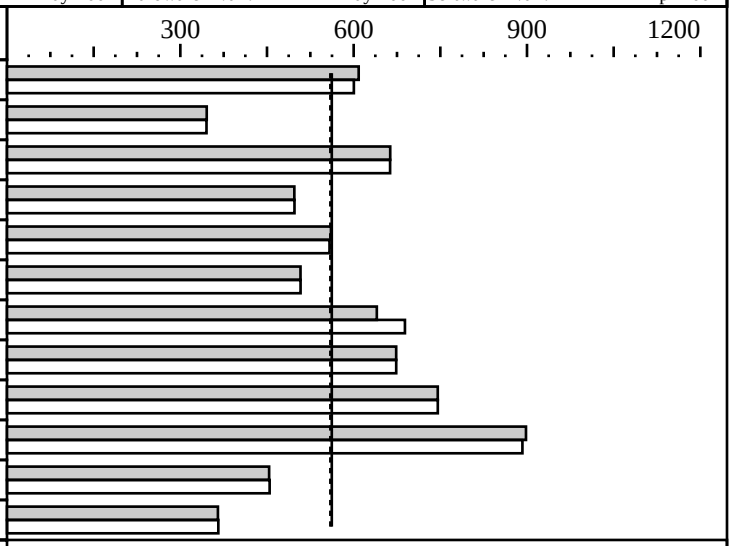
Intel D850EMV2 motherboard (1.5 GHz, Pentium 4 processor)

SPECint2000 = 562

SPECint_base2000 = 560

SPEC license #: 13 | Tested by: Intel Corporation | Test date: May-2002 | Hardware Avail: May-2002 | Software Avail: Apr-2002

| Benchmark | Reference Time | Base Runtime | Base Ratio | Runtime | Ratio |
|---|---|---|---|---|---|
| 164.gzip | 1400 | 230 | 609 | 233 | 600 |
| 175.vpr | 1400 | 405 | 346 | 405 | 345 |
| 176.gcc | 1100 | 166 | 663 | 166 | 663 |
| 181.mcf | 1800 | 362 | 497 | 362 | 498 |
| 186.crafty | 1000 | 178 | 561 | 179 | 558 |
| 197.parser | 1800 | 354 | 508 | 354 | 508 |
| 252.eon | 1300 | 203 | 640 | 189 | 689 |
| 253.perlbmk | 1800 | 267 | 674 | 267 | 674 |
| 254.gap | 1100 | 148 | 746 | 148 | 746 |
| 255.vortex | 1900 | 212 | 898 | 213 | 892 |
| 256.bzip2 | 1500 | 331 | 454 | 330 | 455 |
| 300.twolf | 3000 | 822 | 365 | 820 | 366 |




### Hardware

| | |
|---|---|
| CPU: | Pentium 4 processor (1.5 GHz, 400 MHz bus) |
| CPU MHz: | 1500 |
| 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 on chip |
| Secondary Cache: | 256KB(I+D) on chip |
| L3 Cache: | N/A |
| Other Cache: | N/A |
| Memory: | 256 MB (2 128 MB PC800-40 RDRAM non-ECC modules) |
| Disk Subsystem: | IBM 120GXP 80 GB IC35L080AVVA07-0 ATA-100 |
| Other Hardware: | None |

### Software

| | |
|---|---|
| Operating System: | Windows XP Professional(Build 2600) |
| Compiler: | Intel C++ Compiler 6.0 Build 020321Z<br>Intel Fortran Compiler 6.0 Build 020321Z<br>Microsoft Visual C++ 6.0 SP5(for libraries) |
| 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 -Qwp_ipo -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
254.gap:      -QxW -Qipo -O3 +FDO
Tested systems can be used with Shin-G ATX case, Delta Inc. power supply PS-300GB-1 B
Product description located as of 8/2002:
```

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## Notes/Tuning Information (Continued)

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http://developer.intel.com/design/motherbd/mv2/index.htm
Motherboard ordering information is available at:
http://program.intel.com/shared/products/boards/d850emv2/index.htm
The system bus runs at 400 MHz
```