# CINT2000 Result

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## Intel Corporation

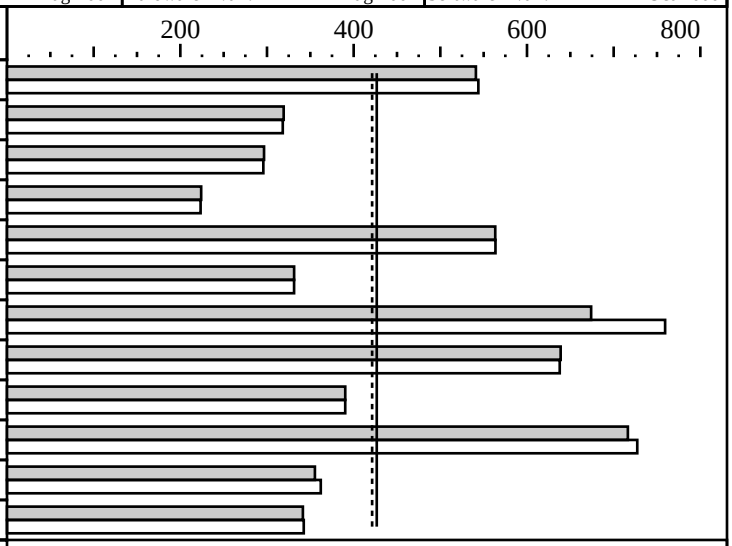
Intel D815EEA2 motherboard (1.1 GHz, Pentium III processor)

SPECint2000 = 427

SPECint_base2000 = 421

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

| Benchmark | Reference Time | Base Runtime | Base Ratio | Runtime | Ratio |
|---|---|---|---|---|---|
| 164.gzip | 1400 | 259 | 541 | 257 | 544 |
| 175.vpr | 1400 | 439 | 319 | 440 | 318 |
| 176.gcc | 1100 | 371 | 297 | 372 | 296 |
| 181.mcf | 1800 | 803 | 224 | 806 | 223 |
| 186.crafty | 1000 | 178 | 563 | 177 | 564 |
| 197.parser | 1800 | 543 | 331 | 543 | 331 |
| 252.eon | 1300 | 193 | 674 | 171 | 759 |
| 253.perlbmk | 1800 | 282 | 639 | 282 | 638 |
| 254.gap | 1100 | 282 | 390 | 282 | 390 |
| 255.vortex | 1900 | 265 | 716 | 261 | 727 |
| 256.bzip2 | 1500 | 422 | 355 | 414 | 362 |
| 300.twolf | 3000 | 879 | 341 | 876 | 342 |




### Hardware

| | |
|---|---|
| CPU: | Pentium III processor (1.1 GHz, 100 MHz bus) |
| CPU MHz: | 1100 |
| FPU: | Integrated |
| CPU(s) enabled: | 1 core, 1 chip, 1 core/chip |
| CPU(s) orderable: | 1 |
| Parallel: | No |
| Primary Cache: | 16KBI + 16KBD on chip |
| Secondary Cache: | 256KB(I+D) on chip |
| L3 Cache: | N/A |
| Other Cache: | N/A |
| Memory: | 128 MB PC133 CL2 SDRAM (2 * 128 MB sticks) |
| Disk Subsystem: | IBM DTLA-307030 ATA-100 |
| Other Hardware: | None |

### Software

| | |
|---|---|
| Operating System: | Windows 2000 (Build 2195, SP1) |
| Compiler: | Intel C++ Compiler 5.0 for Windows Build 001120<br>Microsoft Visual C++ 6.0(for libraries)<br>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:   -QxK -Qipo shlW32M.lib +FDO
Base tuning for C++ programs: -QxK -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:
-QxK -Qipo FDO shlW32M.lib
 255.vortex, 256.bzip2, 300.twolf:
-QxK -Qipo FDO -Oa shlW32M.lib
 252.eon:
-QxK -Qipo +FDO
Tested systems can be used with Shin-G ATX case, Nspire MAV-250P power supply.
Product information as of 08/2001:
http://developer.intel.com/design/motherbd/ea2/index.htm
Motherboard is available through Intel OEM Distribution Channel.
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## Notes/Tuning Information (Continued)

See http://channel.intel.com/ for more information
The system bus runs at 100 MHz