



CFP2000 Result

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Intel Corporation

Intel D850MD motherboard (1.9 GHz, Pentium 4 processor)

SPECfp2000 = 698

SPECfp_base2000 = 688

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

| Benchmark | Reference Time | Base Runtime | Base Ratio | Runtime | Ratio | |
|--------------|----------------|--------------|------------|---------|-------|--|
| 168.wupwise | 1600 | 172 | 932 | 170 | 939 | |
| 171.swim | 3100 | 245 | 1263 | 243 | 1274 | |
| 172.mgrid | 1800 | 265 | 679 | 256 | 702 | |
| 173.applu | 2100 | 273 | 768 | 270 | 779 | |
| 177.mesa | 1400 | 182 | 769 | 181 | 774 | |
| 178.galgel | 2900 | 331 | 876 | 329 | 880 | |
| 179.art | 2600 | 489 | 532 | 483 | 538 | |
| 183.quake | 1300 | 171 | 760 | 163 | 795 | |
| 187.facerec | 1900 | 236 | 803 | 236 | 806 | |
| 188.ammmp | 2200 | 555 | 396 | 548 | 401 | |
| 189.lucas | 2000 | 211 | 947 | 211 | 947 | |
| 191.fma3d | 2100 | 346 | 607 | 346 | 608 | |
| 200.sixtrack | 1100 | 317 | 347 | 304 | 361 | |
| 301.apsi | 2600 | 514 | 505 | 514 | 505 | |

Hardware

CPU: Pentium 4 processor (1.9 GHz, 400 MHz bus)
 CPU MHz: 1900
 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 RDRAM non-ECC modules)
 Disk Subsystem: IBM DTLA-307030 ATA-100
 Other Hardware: None

Software

Operating System: Windows XP Professional(Build 2600)
 Compiler: Intel C++ Compiler 5.0.1 Build 010525Z
 Intel Fortran Compiler 5.0.1 Build 010525Z
 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: -Qipo -QxW -O3 +FDO
Portability:
178.galgel: -FI /F32000000
Peak tuning:
168.wupwise: -Qipo -QxW -O3 +FDO
171.swim: -Qipo -QxW -O3 +FDO
172.mgrid: -Qipo -QaxW -O3 +FDO
173.applu: -Qipo -QxW -O3 -Qscalar_rep- -Qauto +FDO
177.mesa: -Qipo -Oa -QxW -O3 +FDO
178.galgel: -Qipo -QxW -O3 +FDO
179.art: -Qipo -QxW -O3 -Oa +FDO
183.quake: -Qipo -QxW -Oa -Qrcd +FDO
187.facerec: -Qipo -QxW -O3 +FDO
188.ammmp: -Qipo -QxW -O3 -Oa +FDO
189.lucas: -Qipo -QxW -O3 +FDO
191.fma3d: -Qipo -QxW -O3 +FDO
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Notes/Tuning Information (Continued)

200.sixtrack: -Qipo -QxW +FDO

301.apsi: -Qipo -QxW -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 1/2002:

<http://developer.intel.com/design/motherbd/md/index.htm>

Motherboard ordering information is available at:

<http://program.intel.com/shared/products/boards/D850MD/index.htm>

The system bus runs at 400 MHz