



CFP2000 Result

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Intel Corporation

Intel D850EMVR motherboard (2.8 GHz, Pentium 4 processor)

SPECfp2000 = 1060

SPECfp_base2000 = 1031

SPEC license #: 13 Tested by: Intel Corporation Test date: Jan-2003 Hardware Avail: Oct-2002 Software Avail: Apr-2002

| Benchmark | Reference Time | Base Runtime | Base Ratio | Runtime | Ratio | |
|----------------|----------------|--------------|------------|---------|-------|--|
| 168.wupwise | 1600 | 122 | 1316 | 120 | 1333 | |
| 171.swim | 3100 | 181 | 1709 | 174 | 1778 | |
| 172.mgrid | 1800 | 180 | 1002 | 173 | 1042 | |
| 173.applu | 2100 | 199 | 1053 | 189 | 1112 | |
| 177.mesa | 1400 | 124 | 1131 | 124 | 1131 | |
| 178.galgel | 2900 | 203 | 1426 | 195 | 1484 | |
| 179.art | 2600 | 407 | 640 | 373 | 698 | |
| 183.earthquake | 1300 | 105 | 1238 | 99.1 | 1312 | |
| 187.facerec | 1900 | 158 | 1205 | 153 | 1241 | |
| 188.ammmp | 2200 | 349 | 630 | 349 | 630 | |
| 189.lucas | 2000 | 136 | 1472 | 135 | 1478 | |
| 191.fma3d | 2100 | 195 | 1075 | 194 | 1081 | |
| 200.sixtrack | 1100 | 212 | 520 | 208 | 529 | |
| 301.apsi | 2600 | 320 | 812 | 319 | 815 | |

Hardware

CPU: Intel Pentium 4 Processor (2.8 GHz, 533 MHz bus)
CPU MHz: 2800
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: 512KB(I+D) on chip
L3 Cache: N/A
Other Cache: N/A
Memory: 512 MB (2 256 MB PC1066-32 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 7.0 Build 021018Z
Intel Fortran Compiler 7.0 Build 021028Z
Microsoft Visual Studio .Net 7.0.9466(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: basepeak=yes
178.galgel: -Qipo -QxW -O3 +FDO
179.art: -Qipo -QxW -O3 -Oa +FDO
183.earthquake: -Qipo -QxW -Oa -Qrcd +FDO
187.facerec: -Qipo -QxW -O3 +FDO
188.ammmp: basepeak=yes
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 10/2002:

<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 533 MHz