# CFP2000 Result

Copyright ©1999-2004, Standard Performance Evaluation Corporation

## Intel Corporation

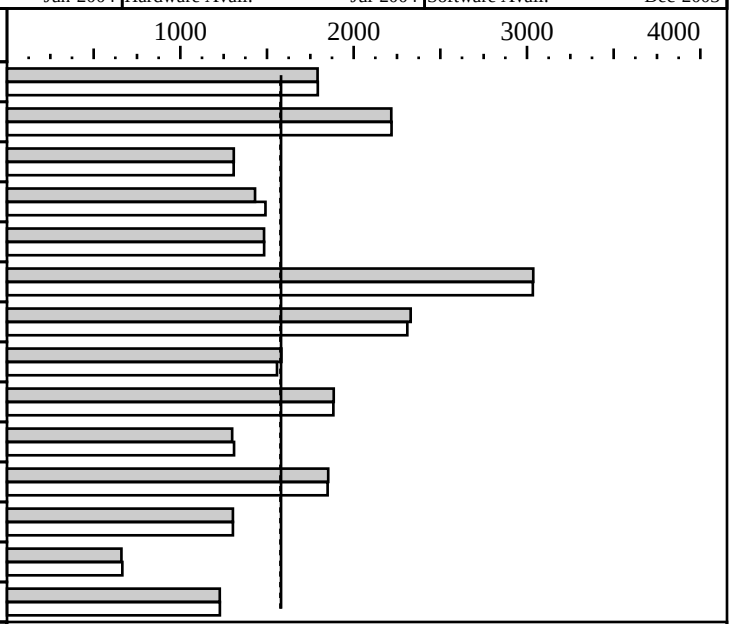
Intel D925XCV (AA-400) motherboard (3.4 GHz, Pentium 4 Processor with HT Technology Extreme Edition)

SPECfp2000 = 1581

SPECfp_base2000 = 1578

SPEC license #: 13 | Tested by: Intel Corporation | Test date: Jun-2004 | Hardware Avail: Jul-2004 | Software Avail: Dec-2003

| Benchmark | Reference Time | Base Runtime | Base Ratio | Runtime | Ratio |
|---|---|---|---|---|---|
| 168.wupwise | 1600 | 89.3 | 1792 | 89.2 | 1793 |
| 171.swim | 3100 | 140 | 2217 | 140 | 2218 |
| 172.mgrid | 1800 | 138 | 1308 | 138 | 1308 |
| 173.applu | 2100 | 147 | 1431 | 141 | 1491 |
| 177.mesa | 1400 | 94.4 | 1483 | 94.4 | 1483 |
| 178.galgel | 2900 | 95.5 | 3036 | 95.6 | 3034 |
| 179.art | 2600 | 112 | 2329 | 113 | 2310 |
| 183.equake | 1300 | 82.1 | 1583 | 83.5 | 1558 |
| 187.facerec | 1900 | 101 | 1885 | 101 | 1883 |
| 188.ammp | 2200 | 169 | 1299 | 168 | 1310 |
| 189.lucas | 2000 | 108 | 1853 | 108 | 1850 |
| 191.fma3d | 2100 | 161 | 1303 | 161 | 1303 |
| 200.sixtrack | 1100 | 167 | 660 | 165 | 665 |
| 301.apsi | 2600 | 212 | 1228 | 212 | 1228 |




### Hardware

| | |
|---|---|
| CPU: | Intel Pentium 4 Processor with HT Technology Extreme Edition(3.4 GHz, 800 MHz bus) |
| CPU MHz: | 3400 |
| FPU: | Integrated |
| CPU(s) enabled: | 1 core, 1 chip, 1 core/chip with HT Technology enabled |
| CPU(s) orderable: | 1 |
| Parallel: | No |
| Primary Cache: | 12k micro-ops I + 16KBD on chip |
| Secondary Cache: | 512KB(I+D) on chip |
| L3 Cache: | 2MB(I+D) on chip |
| Other Cache: | N/A |
| Memory: | 1 GB (2x512MB PC2-4300 DDRII 533 CL4-4-4 Micron MT16HTF6464AG-53EB2) |
| Disk Subsystem: | Seagate ST3160023AS 160 GB Serial ATA (7200 RPM, 8MB cache) |
| Other Hardware: | None |

### Software

| | |
|---|---|
| Operating System: | Windows XP Professional Service Pack 1a |
| Compiler: | Intel C++ and Fortran Compiler 8.0 Build 20031017Z<br>Microsoft Visual Studio .Net 7.0(for libraries)<br>MicroQuill SmartHeap library V6.0 |
| File System: | NTFS |
| System State: | Default |

## Notes/Tuning Information

```
+FDO: PASS1=  -Qprof_gen  PASS2=-Qprof_use
Base tuning:  -QxN -fast -Qansi_alias +FDO
Portability:
178.galgel:   -FI /F32000000
Peak tuning:
168.wupwise:  -QxN -fast -Qansi_alias +FDO
171.swim:     -QxN -fast -Qansi_alias +FDO
172.mgrid:    -QxN -fast -Qansi_alias +FDO
173.applu:    -QxN -fast -Qscalar_rep- -Qauto  +FDO
177.mesa:     -QxN -fast -Oa -Qscalar_rep- +FDO
178.galgel:   -QxN -fast -Qansi_alias +FDO
179.art:      -Oa -Qipo -Qunroll4 -Zp4
183.equake:   -QxN -Oa -Qrcd -Qipo +FDO
187.facerec:  -QxN -fast -Qunroll1 -Qscalar_rep- +FDO
188.ammp:     -Oa -QxN
189.lucas:    -QxN -fast -Qprefetch- +FDO
191.fma3d:    basepeak=yes
```

Copyright ©1999-2004, Standard Performance Evaluation Corporation



## Notes/Tuning Information (Continued)

200.sixtrack: -Qipo -QxN +FDO
301.apsi: -QxN -fast +FDO
Tested systems can be used with Shin-G ATX case, Delta Inc. power supply PS-300GB-1
Product description located as of 6/2004:
http://developer.intel.com/design/motherbd/bc/index.htm
Motherboard is available through Intel OEM Distribution Channel. See
http://www.intel.com/cd/channel/reseller/asmo-na/eng/products/box_desktop_boards/intel_boards/p4_boards/p4_dsk_board_d925xbc/index.htm
The system bus runs at 800 MHz
shlW32M.lib is the SmartHeap library V6.0 from http://www.microquill.com/smartheap/index.html
An PCIe-16 video card is installed and HT Technology is enabled