CFP2000 Result

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Intel Corporation

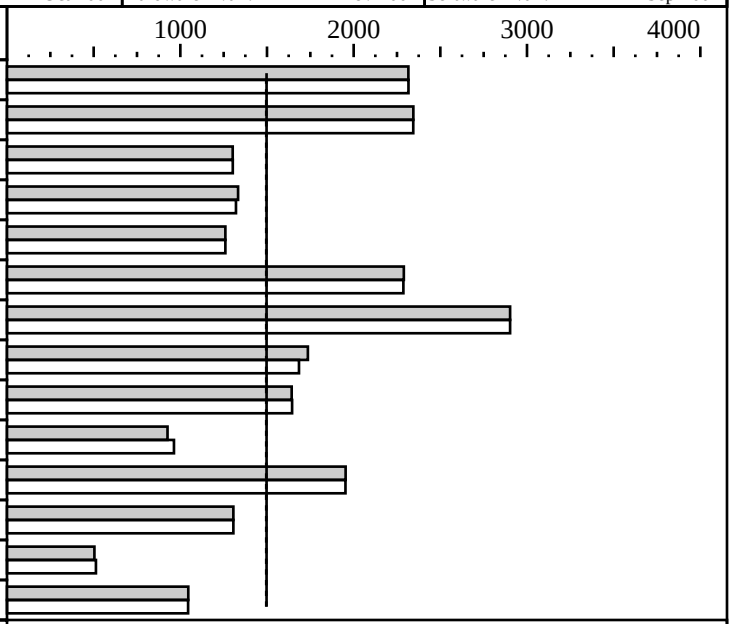
Intel D925XECV2 motherboard(2.8E GHz, Intel Pentium 4 processor 520)

SPECfp2000 = 1497

SPECfp_base2000 = 1496

SPEC license #: 13 | Tested by: Intel Corporation | Test date: Oct-2004 | Hardware Avail: Nov-2004 | Software Avail: Sep-2004

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
168.wupwise	1600	69.1	2316	69.1	2316
171.swim	3100	132	2344	132	2344
172.mgrid	1800	138	1302	138	1303
173.applu	2100	158	1333	159	1321
177.mesa	1400	111	1260	111	1260
178.galgel	2900	127	2289	127	2287
179.art	2600	89.6	2902	89.6	2902
183.equake	1300	74.9	1736	77.2	1685
187.facerec	1900	116	1642	116	1645
188.ammp	2200	238	926	228	963
189.lucas	2000	102	1954	102	1953
191.fma3d	2100	161	1306	161	1306
200.sixtrack	1100	218	504	214	513
301.apsi	2600	249	1046	249	1045



Hardware

CPU:	Intel Pentium 4 processor 520 (2.8E GHz, 800 MHz bus)
CPU MHz:	2800
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:	1MB(I+D) on chip
L3 Cache:	N/A
Other Cache:	N/A
Memory:	1 GB (2x512MB PC2-4300 DDRII 533 CL4-4-4)
Disk Subsystem:	Seagate ST3160023AS 160 GB Serial ATA (7200 RPM, 8MB cache)
Other Hardware:	N/A

Software

Operating System:	Windows XP Professional SP2
Compiler:	Intel C++ and Fortran Compiler 8.1 Build 20040802Z Microsoft Visual Studio .Net 2002(for libraries) SmartHeap Library Version 6.0 from http://www.microquill.com/
File System:	NTFS
System State:	Default

Notes/Tuning Information

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

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Notes/Tuning Information (Continued)

191.fma3d: basepeak=yes
200.sixtrack: -Qipo -QxP +FDO
301.apsi: -fast +FDO
Tested systems can be used with Shin-G ATX case, Antec power supply NeoPower 480
Product description located as of Nov-2004:
http://www.intel.com/design/motherbd/cv2/index.htm?iid=ipp_browse+motherbd_d925xecv2&
Motherboard is available through Intel Reseller Channel:
http://www.intel.com/cd/channel/reseller/asmo-na/eng/products/box_desktop_boards/intel_boards/p4_boards/p4_dsk_board_D925XECV2/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
A PCIe-16 video card is installed and HT Technology is enabled
Memory DIMMs used: Micron MT16HTF6464AG-53EB2