



CFP2000 Result

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Intel Corporation

Intel D850EMV2 motherboard (2.26 GHz, Pentium 4 processor)

SPECfp2000 = 846

SPECfp_base2000 = 833

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	500 1000 1500 2000			
168.wupwise	1600	151	1057	150	1065	[Bar chart showing ratio]			
171.swim	3100	227	1368	223	1393	[Bar chart showing ratio]			
172.mgrid	1800	226	797	224	804	[Bar chart showing ratio]			
173.applu	2100	243	864	236	888	[Bar chart showing ratio]			
177.mesa	1400	162	866	161	870	[Bar chart showing ratio]			
178.galgel	2900	245	1184	241	1206	[Bar chart showing ratio]			
179.art	2600	475	547	459	567	[Bar chart showing ratio]			
183.quake	1300	133	977	127	1024	[Bar chart showing ratio]			
187.facerec	1900	181	1049	180	1054	[Bar chart showing ratio]			
188.amp	2200	398	552	395	557	[Bar chart showing ratio]			
189.lucas	2000	172	1162	172	1163	[Bar chart showing ratio]			
191.fma3d	2100	254	826	254	828	[Bar chart showing ratio]			
200.sixtrack	1100	268	410	260	424	[Bar chart showing ratio]			
301.apsi	2600	415	627	415	627	[Bar chart showing ratio]			

Hardware

CPU: Pentium 4 processor (2.26 GHz, 533 MHz bus)
CPU MHz: 2267
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: 256 MB (2 128 MB PC800-40 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 6.0 Build 020321Z
Intel Fortran Compiler 6.0 Build 020321Z
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.amp: -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 8/2002:

<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