



CFP2000 Result

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Intel Corporation

Intel D850EMV2 motherboard (2.53 GHz, Pentium 4 processor)

SPECfp2000 = 873

SPECfp_base2000 = 861

SPEC license #: 13 Tested by: Intel Corporation Test date: Apr-2002 Hardware Avail: May-2002 Software Avail: Oct-2001

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	500 1000 1500 2000			
168.wupwise	1600	135	1189	133	1200	[Bar chart showing ratio 1200]			
171.swim	3100	225	1380	222	1394	[Bar chart showing ratio 1394]			
172.mgrid	1800	219	821	216	832	[Bar chart showing ratio 832]			
173.applu	2100	231	908	228	923	[Bar chart showing ratio 923]			
177.mesa	1400	135	1034	134	1042	[Bar chart showing ratio 1042]			
178.galgel	2900	261	1111	259	1119	[Bar chart showing ratio 1119]			
179.art	2600	468	555	455	571	[Bar chart showing ratio 571]			
183.quake	1300	146	892	140	926	[Bar chart showing ratio 926]			
187.facerec	1900	170	1118	169	1124	[Bar chart showing ratio 1124]			
188.amp	2200	393	560	388	566	[Bar chart showing ratio 566]			
189.lucas	2000	175	1145	175	1145	[Bar chart showing ratio 1145]			
191.fma3d	2100	266	789	265	791	[Bar chart showing ratio 791]			
200.sixtrack	1100	239	460	229	480	[Bar chart showing ratio 480]			
301.apsi	2600	384	677	384	678	[Bar chart showing ratio 678]			

Hardware

CPU: Pentium 4 processor (2.53 GHz, 533 MHz bus)
CPU MHz: 2533
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 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.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 5/2002:

<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