



CFP2000 Result

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Intel Corporation

Intel D850EMV2 motherboard (2.4 GHz, Pentium 4 processor)

SPECfp2000 = 852

SPECfp_base2000 = 840

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	
168.wupwise	1600	140	1141	139	1155	
171.swim	3100	225	1378	222	1394	
172.mgrid	1800	222	813	218	826	
173.applu	2100	236	891	231	911	
177.mesa	1400	142	986	141	991	
178.galgel	2900	267	1084	265	1095	
179.art	2600	468	556	458	568	
183.quake	1300	147	884	142	916	
187.facerec	1900	176	1081	175	1088	
188.amp	2200	401	548	397	555	
189.lucas	2000	178	1125	178	1125	
191.fma3d	2100	275	763	275	764	
200.sixtrack	1100	252	437	243	452	
301.apsi	2600	394	660	394	660	

Hardware

CPU: Pentium 4 processor (2.4 GHz, 533 MHz bus)
CPU MHz: 2400
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