



CFP2000 Result

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Intel Corporation

Intel D850EMV2 motherboard (1.5 GHz, Pentium 4 processor)

SPECfp2000 = 643

SPECfp_base2000 = 634

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	
168.wupwise	1600	209	766	208	770	
171.swim	3100	244	1268	242	1284	
172.mgrid	1800	304	592	302	595	
173.applu	2100	303	693	295	711	
177.mesa	1400	245	572	244	574	
178.galgel	2900	314	924	310	935	
179.art	2600	494	526	486	535	
183.quake	1300	163	798	152	855	
187.facerec	1900	270	703	270	703	
188.amp	2200	575	383	569	387	
189.lucas	2000	219	913	219	914	
191.fma3d	2100	347	605	347	606	
200.sixtrack	1100	401	275	389	283	
301.apsi	2600	556	468	555	468	

Hardware

CPU: Pentium 4 processor (1.5 GHz, 400 MHz bus)
 CPU MHz: 1500
 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: 256KB(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 400 MHz