



CFP2000 Result

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Intel Corporation

Intel D850MD motherboard (1.7 GHz, Pentium 4 processor)

SPECfp2000 = 659

SPECfp_base2000 = 648

SPEC license #: 13 Tested by: Intel Corporation Test date: Nov-2001 Hardware Avail: Aug-2001 Software Avail: Oct-2001

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	
168.wupwise	1600	185	863	184	869	
171.swim	3100	248	1248	246	1262	
172.mgrid	1800	285	631	273	659	
173.applu	2100	290	723	284	741	
177.mesa	1400	202	692	201	697	
178.galgel	2900	349	830	346	837	
179.art	2600	500	520	486	535	
183.quake	1300	177	736	169	770	
187.facerec	1900	256	743	254	747	
188.amp	2200	579	380	572	384	
189.lucas	2000	223	899	223	899	
191.fma3d	2100	375	561	374	562	
200.sixtrack	1100	353	312	339	324	
301.apsi	2600	544	478	544	478	

Hardware

CPU: Pentium 4 processor (1.7 GHz, 400 MHz bus)
 CPU MHz: 1700
 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 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 1/2002:

<http://developer.intel.com/design/motherbd/md/index.htm>

Motherboard ordering information is available at:

<http://program.intel.com/shared/products/boards/D850MD/index.htm>

The system bus runs at 400 MHz