



CFP2000 Result

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Intel Corporation

Intel D850EMVR motherboard (2.4 GHz, Pentium 4 processor)

SPECfp2000 = 964

SPECfp_base2000 = 951

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	
168.wupwise	1600	137	1166	136	1174	
171.swim	3100	181	1714	178	1741	
172.mgrid	1800	200	901	198	909	
173.applu	2100	209	1004	205	1026	
177.mesa	1400	152	922	151	925	
178.galgel	2900	213	1362	210	1381	
179.art	2600	373	697	367	709	
183.quake	1300	114	1140	108	1205	
187.facerec	1900	165	1150	164	1157	
188.ammpp	2200	351	628	348	633	
189.lucas	2000	150	1333	150	1334	
191.fma3d	2100	228	920	228	921	
200.sixtrack	1100	252	437	244	451	
301.apsi	2600	365	712	365	712	

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 PC1066-32 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.ammpp: -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 10/2002:

<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