CFP2000 Result

Copyright ©1999-2004, Standard Performance Evaluation Corporation

Intel Corporation

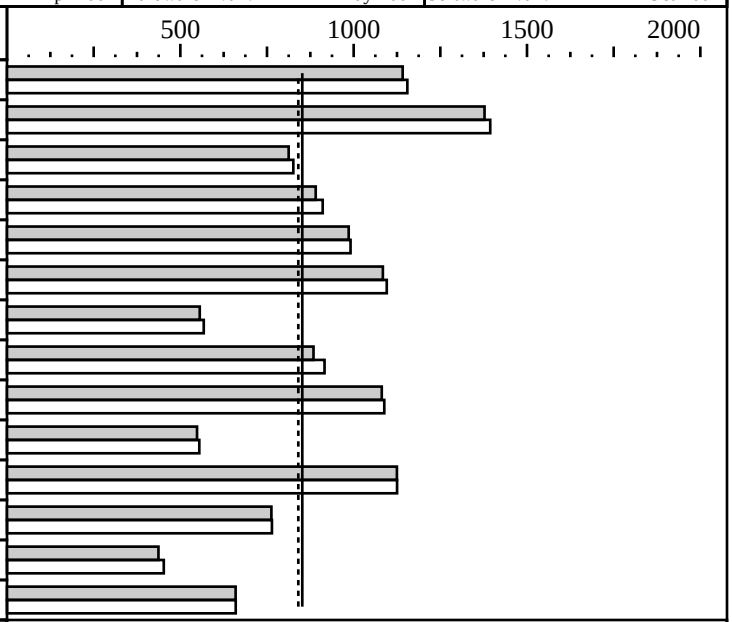
Intel D850EMV2 motherboard (2.4 GHz, Pentium 4 processor)

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.equake	1300	147	884	142	916
187.facerec	1900	176	1081	175	1088
188.ammp	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.equake:   -Qipo -QxW  -Oa -Qrcd +FDO
187.facerec:  -Qipo -QxW  -O3 +FDO
188.ammp:     -Qipo -QxW  -O3 -Oa +FDO
189.lucas:    -Qipo -QxW  -O3 +FDO
191.fma3d:    -Qipo -QxW  -O3 +FDO
```

Copyright ©1999-2004, Standard Performance Evaluation Corporation

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

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
```