



CFP2000 Result

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Intel Corporation

Intel D815EEA2 motherboard (866 MHz, Pentium III processor)

SPECfp2000 = 292

SPECfp_base2000 = 280

SPEC license #: 13 Tested by: Intel Corporation Test date: Aug-2001 Hardware Avail: Aug-2001 Software Avail: Oct-2000

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	
168.wupwise	1600	435	368	435	368	
171.swim	3100	927	334	927	334	
172.mgrid	1800	864	208	806	223	
173.applu	2100	869	242	869	242	
177.mesa	1400	301	464	305	459	
178.galgel	2900	1034	280	966	300	
179.art	2600	838	310	777	335	
183.quake	1300	548	237	450	289	
187.facerec	1900	673	282	603	315	
188.amp	2200	774	284	755	292	
189.lucas	2000	657	304	656	305	
191.fma3d	2100	780	269	780	269	
200.sixtrack	1100	748	147	730	151	
301.apsi	2600	822	316	791	329	

Hardware

CPU: Pentium III processor (866 MHz, 133 MHz bus)
CPU MHz: 866
FPU: Integrated
CPU(s) enabled: 1 core, 1 chip, 1 core/chip
CPU(s) orderable: 1
Parallel: No
Primary Cache: 16KBI + 16KBD on chip
Secondary Cache: 256KB(I+D) on chip
L3 Cache: N/A
Other Cache: N/A
Memory: 128 MB PC133 CL2 SDRAM (2 * 128 MB sticks)
Disk Subsystem: IBM DTLA-307030 ATA-100
Other Hardware: None

Software

Operating System: Windows 2000 (Build 2195, SP1)
Compiler: Intel C++ Compiler 5.0 for Windows Build 001120
Intel Fortran Compiler 5.0 for Windows Build 001027
Microsoft Visual C++ 6.0 (for libraries)
MicroQuill SmartHeap V5.0
File System: FAT32
System State: Default

Notes/Tuning Information

```
+FDO: PASS1=-Qprof_gen PASS2=-Qprof_use
Base tuning: -QxK -Qipo -O3 +FDO
Portability:
178.galgel: -FI /F32000000
Peak tuning:
168.wupwise: -Qipo -QxK -O3 +FDO
171.swim: -Qipo -QxK -O3 +FDO
172.mgrid: -Qipo -QaxK -O3 +FDO
173.applu: -Qipo -QxK -O3 +FDO
177.mesa: -Qipo -QxK -O3 -Oa +FDO shlw32M.lib
178.galgel: -Qipo -QxK -O3 +FDO shlw32M.lib
178.galgel: LIBS=libIEPCF90.lib libintrins.lib libF90.lib
libqwin.lib libm.lib shlw32M.lib LIBC.lib
libirc.lib OLDNAMES.lib
179.art: -Qipo -QxK -O3 -Oa +FDO shlw32M.lib
183.quake: -Qipo -QxK -Qrcd -Oa +FDO shlw32M.lib
187.facerec: -Qipo -QxK -O3 +FDO shlw32M.lib
```



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Notes/Tuning Information (Continued)

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187.facerec: LIBS=libIEPCF90.lib libintrins.lib libF90.lib
              libqwin.lib libm.lib shlW32M.lib LIBC.lib
              libirc.lib OLDNAMES.lib
188.ammp:     -Qipo -QxK -O3 -Oa +FDO
189.lucas:    -Qipo -QxK -O3 +FDO shlW32M.lib
189.lucas:    LIBS=libIEPCF90.lib libintrins.lib libF90.lib
              libqwin.lib libm.lib shlW32M.lib LIBC.lib
              libirc.lib OLDNAMES.lib
191.fma3d:    -Qipo -QxK -O3 +FDO
200.sixtrack: -Qipo -QxK +FDO
301.apsi:     -Qipo -QxK +FDO

```

Tested systems can be used with Shin-G ATX case, Nspire MAV-250P power supply.
Product information as of 08/2001:

<http://developer.intel.com/design/motherbd/ea2/index.htm>

Motherboard is available through Intel OEM Distribution Channel.

See <http://channel.intel.com/> for more information

The system bus runs at 133 MHz