CFP2000 Result

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Advanced Micro Devices

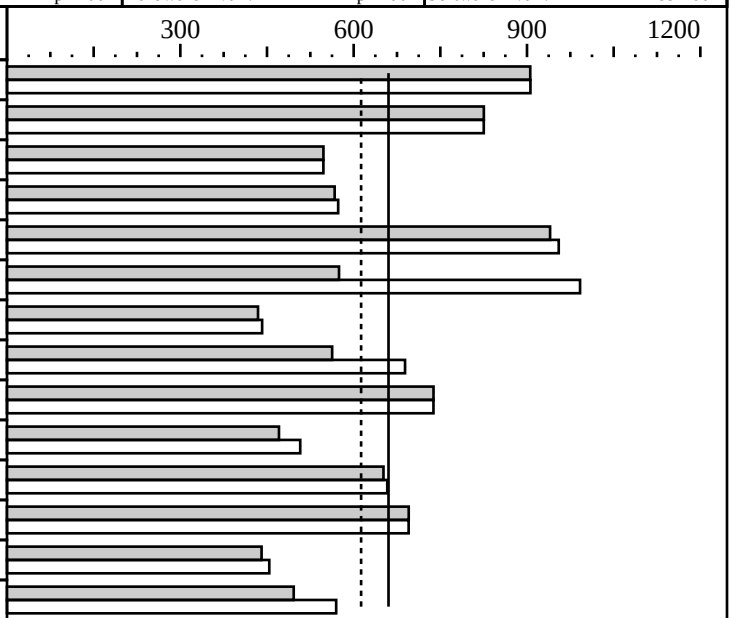
Epox 8KHA+ Motherboard, AMD Athlon (TM) XP 2100+

SPECfp2000 = 660

SPECfp_base2000 = 613

SPEC license #: 49 | Tested by: AMD Austin TX | Test date: Apr-2002 | Hardware Avail: Apr-2002 | Software Avail: Feb-2002

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
168.wupwise	1600	177	906	177	906
171.swim	3100	376	825	376	825
172.mgrid	1800	329	548	329	548
173.applu	2100	370	567	366	573
177.mesa	1400	149	940	147	955
178.galgel	2900	505	575	292	992
179.art	2600	598	434	589	442
183.equake	1300	231	563	189	689
187.facerec	1900	257	738	257	738
188.ammp	2200	467	471	433	508
189.lucas	2000	307	652	304	658
191.fma3d	2100	302	695	302	695
200.sixtrack	1100	250	441	242	454
301.apsi	2600	524	496	456	570



Hardware

CPU:	AMD Athlon (TM) XP 2100+
CPU MHz:	1733
FPU:	Integrated
CPU(s) enabled:	1 core, 1 chip, 1 core/chip
CPU(s) orderable:	1
Parallel:	No
Primary Cache:	64KBI + 64KBD on chip
Secondary Cache:	256KB(I+D) on chip
L3 Cache:	N/A
Other Cache:	N/A
Memory:	2x256MB PC2100 DDR SDRAM CL2
Disk Subsystem:	SEAGATE ST318451LW
Other Hardware:	None

Software

Operating System:	Windows 2000 SP2
Compiler:	Intel C++ 5.0.1 build 020125Z Intel Fortran 5.0.1 build 020125Z and Compaq Visual Fortran 6.6 Microsoft Visual Studio 6.0 SP5 (libraries) MicroQuill Smartheap Library 5.0
File System:	FAT32
System State:	Default

Notes/Tuning Information

```
+FDO: PASS1=-Qprof_gen  PASS2=-Qprof_use
icl and ifl are the Intel C++ and Fortran compilers
f90 is the Compaq Fortran compiler
shlW32M.lib is the SmartHeap library V5.0 from MicroQuill www.microquill.com
Portability:
178.galgel: -FI -Fe$@ -link -stack:32000000
Baseline: C       icl -QxK -Qipo +FDO shlW32M.lib
Baseline: Fortran ifl -O3 -QxK -Qipo +FDO
Peak tuning:
168.wupwise:  ifl -O3 -QxK -Qwp_ipo +FDO
171.swim:     ifl -O3 -QxK -Qwp_ipo +FDO
172.mgrid:    ifl -O3 -QxK -Qwp_ipo +FDO
173.applu:    ifl -O3 -QxK -Qwp_ipo -Qscalar_rep- -Qauto +FDO
177.mesa:     icl -O3 -QxK -Qwp_ipo -Oa -Qunroll0 +FDO shlw32M.lib
178.galgel:   f90 -Optimize:5 -fast
179.art:      icl -O3 -QxK -QaxW -Qwp_ipo -Oa +FDO shlW32M.lib
183.equake:   icl -O3 -QxK -Qwp_ipo -Qrcd -Oa +FDO shlW32M.lib
```

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Notes/Tuning Information (Continued)

```
 187.facerec:  ifl -O3 -QxK -Qipo +FDO
 188.ammp:     icl -O3 -QxK -Qwp_ipo -Oa +FDO
 189.lucas:    ifl -O3 -QxK -Qwp_ipo +FDO shlW32M.lib
 191.fma3d:    ifl -O3 -QxK -Qwp_ipo +FDO
 200.sixtrack: ifl -QxK -QaxW -Qwp_ipo -Qprefetch +FDO
 301.apsi:     f90 -Optimize:5 -fast
 Library ordering for 189.lucas (to include SmartHeap correctly with default libs):
 LIBS=libIEPCF90.lib libintrins.lib libF90.lib
 libqwind.lib libm.lib shlW32M.lib LIBC.lib libirc.lib OLDNAMES.lib
 ONESTEP is used for all base and peak runs
The tested system can be assembled using an ATX case such as the Antec KS-282,
a 400W power supply such as the Sparkle FSP400-60GN, and a PCI or AGP video card.
The System bus runs at 266MHz
```