CFP2000 Result

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Advanced Micro Devices

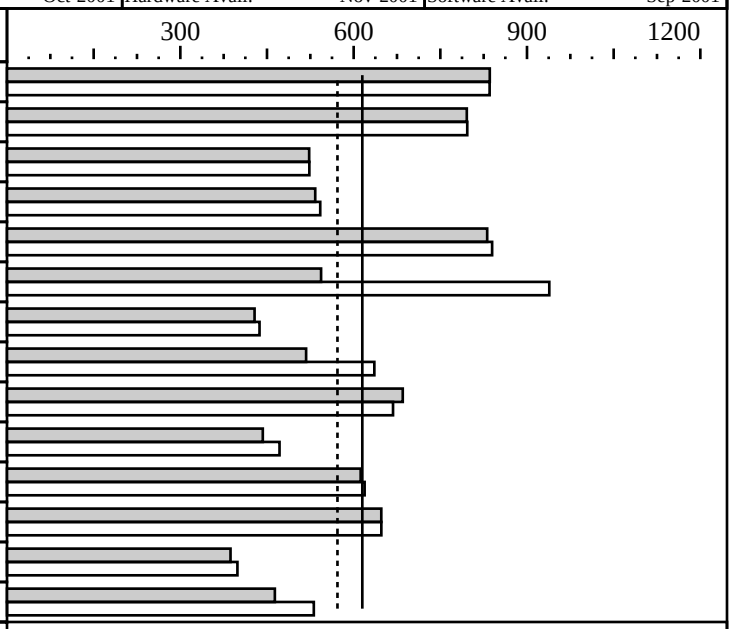
Epox 8KHA+ Motherboard, AMD Athlon (TM) XP 1800+

SPECfp2000 = 615

SPECfp_base2000 = 572

SPEC license #: 49 | Tested by: AMD Austin TX | Test date: Oct-2001 | Hardware Avail: Nov-2001 | Software Avail: Sep-2001

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
168.wupwise	1600	191	836	192	835
171.swim	3100	390	796	389	797
172.mgrid	1800	344	523	344	523
173.applu	2100	394	533	387	542
177.mesa	1400	168	831	167	840
178.galgel	2900	533	544	309	939
179.art	2600	607	428	595	437
183.equake	1300	251	518	204	636
187.facerec	1900	277	685	284	668
188.ammp	2200	497	443	466	472
189.lucas	2000	327	612	323	619
191.fma3d	2100	324	648	324	648
200.sixtrack	1100	284	387	276	399
301.apsi	2600	561	464	490	531



Hardware

CPU:	AMD Athlon (TM) XP 1800+
CPU MHz:	1533
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:	2x128MB PC2100 DDR SDRAM CL2
Disk Subsystem:	Seagate ST320414A
Other Hardware:	None

Software

Operating System:	Windows 2000 SP1
Compiler:	Compaq Visual Fortran 6.6 Intel C/C++ 5.0.1 build 010525Z Intel Fortran 5.0.1 build 010525Z 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/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:  f90 -Optimize:5 -fast
 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 300W power supply such as the Sparkle FSP300-60GT, and a PCI or AGP video card.
The System bus runs at 266MHz
```