CFP2000 Result

Copyright ©1999-2004, Standard Performance Evaluation Corporation

Advanced Micro Devices

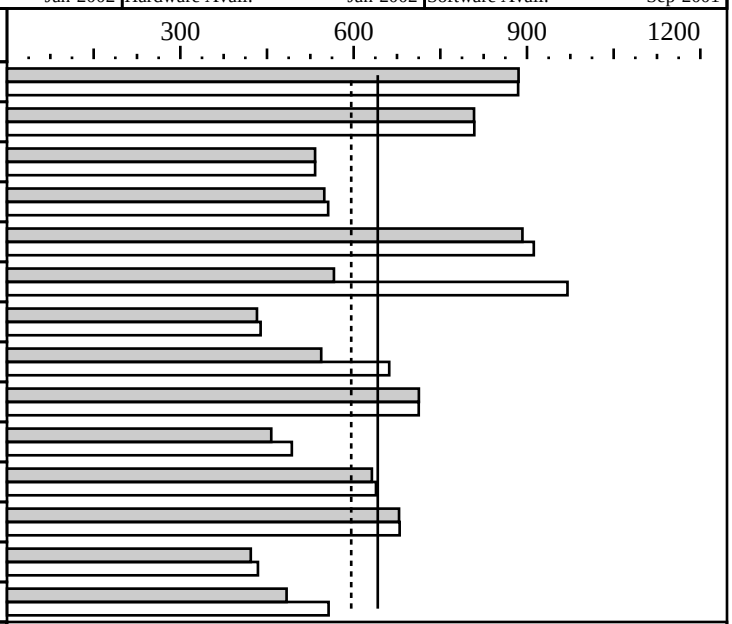
Epox 8KHA+ Motherboard, AMD Athlon (TM) XP 2000+

SPECfp2000 = 642

SPECfp_base2000 = 596

SPEC license #: 49 | Tested by: AMD Austin TX | Test date: Jan-2002 | Hardware Avail: Jan-2002 | Software Avail: Sep-2001

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
168.wupwise	1600	181	885	181	885
171.swim	3100	384	808	383	809
172.mgrid	1800	338	533	338	533
173.applu	2100	382	549	378	556
177.mesa	1400	157	892	154	912
178.galgel	2900	513	566	299	970
179.art	2600	601	433	592	439
183.equake	1300	239	544	197	662
187.facerec	1900	267	713	267	713
188.ammp	2200	481	457	446	493
189.lucas	2000	317	632	313	639
191.fma3d	2100	309	679	309	680
200.sixtrack	1100	261	422	253	434
301.apsi	2600	537	484	467	557



Hardware

CPU:	AMD Athlon (TM) XP 2000+
CPU MHz:	1667
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:	Intel C++ 5.0.1 build 010727Z Intel Fortran 5.0.1 build 010727Z 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
```

Copyright ©1999-2004, Standard Performance Evaluation Corporation

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 300W power supply such as the Sparkle FSP300-60GT, and a PCI or AGP video card.
The System bus runs at 266MHz
System BIOS Settings: Date 11/2/01, Optimized defaults. Memory settings: Turbo, 4-way interleave
```