CFP2000 Result

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Advanced Micro Devices

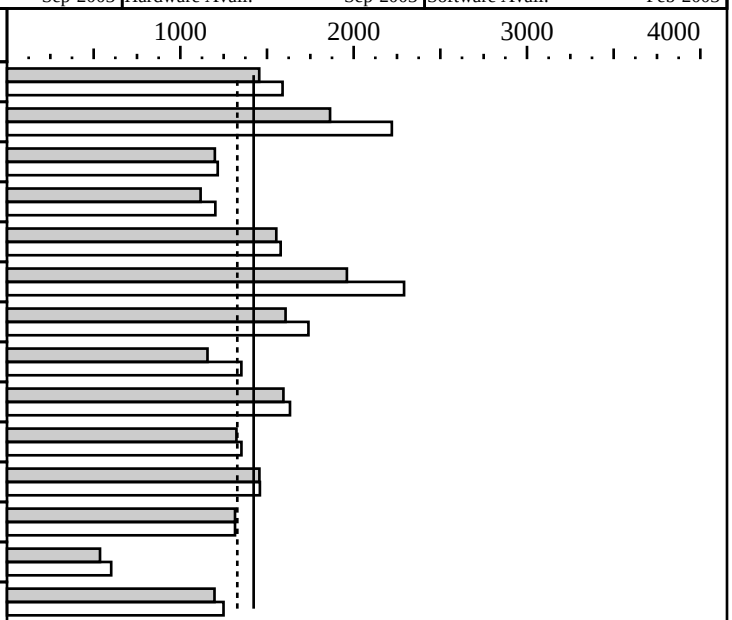
ASUS SK8N Motherboard, AMD Athlon (TM) FX-51

SPECfp2000 = 1423

SPECfp_base2000 = 1329

SPEC license #: 49 | Tested by: AMD, Austin, TX | Test date: Sep-2003 | Hardware Avail: Sep-2003 | Software Avail: Feb-2003

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
168.wupwise	1600	110	1455	101	1590
171.swim	3100	166	1864	140	2220
172.mgrid	1800	150	1199	148	1216
173.applu	2100	188	1117	175	1202
177.mesa	1400	90.1	1554	88.7	1579
178.galgel	2900	148	1961	127	2291
179.art	2600	162	1607	150	1739
183.equake	1300	112	1157	96.1	1352
187.facerec	1900	119	1595	116	1633
188.ammp	2200	166	1324	163	1353
189.lucas	2000	137	1456	137	1459
191.fma3d	2100	160	1315	160	1315
200.sixtrack	1100	205	537	183	601
301.apsi	2600	217	1197	208	1249



Hardware

CPU:	AMD Athlon (TM) FX-51 ADAFX51CE5AK
CPU MHz:	2200
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:	1024KB(I+D) on chip
L3 Cache:	N/A
Other Cache:	N/A
Memory:	2x512MB PC3200 DDR SDRAM CL2.5, ECC Registered
Disk Subsystem:	Western Digital WD360GD, SATA, 10k rpm
Other Hardware:	None

Software

Operating System:	Microsoft Windows XP Professional Service Pack 1.0a
Compiler:	Intel C/C++ 7.0 build 20021212Z and Intel Fortran 7.0 build 20021212Z Compaq Visual Fortran Compiler Version 6.6 (Update B) Microsoft Visual Studio .NET 7.0.9466(For libraries) MicroQuill Smartheap Library 6.0
File System:	NTFS
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
shlW32M6.lib is the SmartHeap library V6.0 from MicroQuill www.microquill.com
Portability:
  178.galgel: -FI -Fe$@ -link -stack:32000000
Baseline: C       icl +FD0 -O3 -QxW  -Qipo
Baseline: Fortran ifl +FDO -O3 -QxW  -Qipo
  168.wupwise:    ifl +FD0     -QxK  -Qipo -Ow
  171.swim:       f90 -Optimize:5 -alignment:dcommons -alignment:records
                  -alignment:sequence -architecture:k7
                  -assume:noaccuracy_sensitive -math_library:fast -tune:k7
  172.mgrid:      ifl +FD0 -O3 -QaxW -Qipo -Oa -Qprefetch-
  173.applu:      ifl +FD0 -O3 -QxK  -Qipo     -Qscalar_rep-           -Zp8
  177.mesa:       icl +FD0 -O3 -QxW  -Qipo -Oa -Qscalar_rep-
  178.galgel:     f90 -Optimize:5 -fast
  179.art:        icl                -Qipo -Oa               -Qunroll4 -Zp4
```

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Notes/Tuning Information (Continued)

```
   183.equake:     icl      -O3 -QxK  -Qipo -Oa shlW32M6.lib            -Zp4
   187.facerec:    ifl +FD0 -O3 -QaxW -Qipo     -Qscalar_rep- -Qunroll1
   188.ammp:       icl          -QxW        -Oa
   189.lucas:      ifl +FD0 -O3 -QxW  -Qipo     -Qprefetch-
   191.fma3d:      ifl basepeak=1
   200.sixtrack:   ifl                -Qipo -Oa                          -Zp4
   301.apsi:       f90 -Optimize:5 -fast
 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
and a 460W power supply such as the Antec True 460
ECC disabled
```