CINT2000 Result

Copyright ©1999-2005, Standard Performance Evaluation Corporation

Advanced Micro Devices

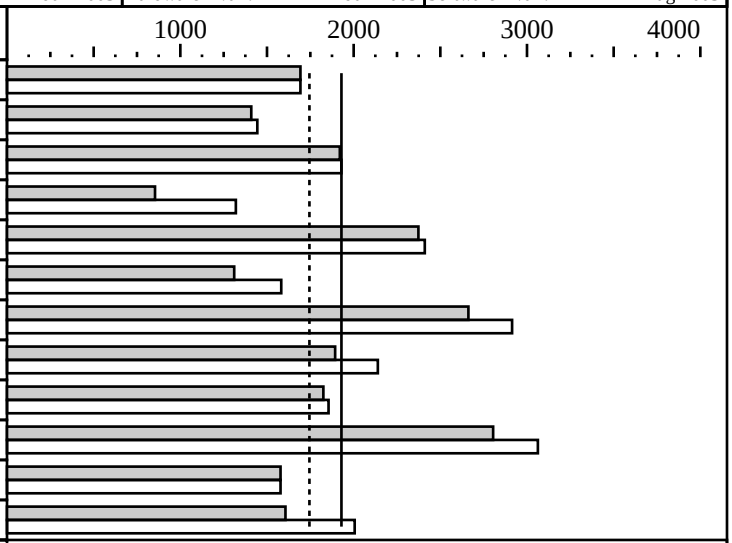
ASUS A8N-SLI Deluxe, AMD Athlon (TM) 64 FX-57

SPECint2000 = 1929

SPECint_base2000 = 1745

SPEC license #: 49 | Tested by: AMD, Austin, TX | Test date: Jun-2005 | Hardware Avail: Jun-2005 | Software Avail: Aug-2005

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
164.gzip	1400	82.7	1693	82.7	1693
175.vpr	1400	99.3	1409	96.9	1444
176.gcc	1100	57.3	1920	57.0	1929
181.mcf	1800	211	854	136	1320
186.crafty	1000	42.1	2374	41.5	2410
197.parser	1800	137	1311	114	1582
252.eon	1300	48.8	2662	44.6	2914
253.perlbmk	1800	95.1	1893	84.1	2139
254.gap	1100	60.3	1825	59.3	1855
255.vortex	1900	67.7	2805	62.0	3063
256.bzip2	1500	95.1	1578	95.1	1578
300.twolf	3000	187	1607	150	2006



Hardware

CPU:	AMD Athlon (TM) 64 FX-57
CPU MHz:	2800
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:	2x512 MB, PC3200 DDR SDRAM CL2.0
Disk Subsystem:	IDE, Western Digital WD2500
Other Hardware:	None

Software

Operating System:	SuSE Linux Enterprise Server 9 (SP2) for AMD64
Compiler:	PathScale EKOPath(TM) Compiler Suite, Release 2.1
File System:	Linux/ext3
System State:	Multi-user, run level 3

Notes/Tuning Information

```
+FDO: PASS1= -fb_create fbdata  PASS2= -fb_opt fbdata

Baseline optimization flags:
  C programs:       -Ofast +FDO
  C++ programs:     -Ofast +FDO

Portability Flags:
  176.gcc:      srcalt 64bitgcc
  186.crafty:  -DLINUX_i386
  252.eon:     -DHAS_ERRLIST -DSPEC_CPU2000_LP64 srcalt fmax_errno
  253.perlbmk: -DSPEC_CPU2000_LINUX_I386 -DSPEC_CPU2000_NEED_BOOL
               -DSPEC_CPU2000_GLIBC22 -DSPEC_CPU2000_LP64
  254.gap:     -DSYS_IS_USG -DSYS_HAS_IOCTL_PROTO -DSYS_HAS_TIME_PROTO
               -DSYS_HAS_SIGNAL_PROTO  -DSYS_HAS_ANSI -DSYS_HAS_CALLOC_PROTO
               -DSPEC_CPU2000_LP64
  255.vortex:  -DSPEC_CPU2000_LP64 srcalt closed_files

Peak Tuning:
  164.gzip:     basepeak = true
```

Copyright ©1999-2005, Standard Performance Evaluation Corporation

Notes/Tuning Information (Continued)

```
  175.vpr:     -O2 -ipa -OPT:alias=disjoint -CG:p2align_freq=500000
               -INLINE:aggressive=on -IPA:plimit=10000:callee_limit=5000
               +FDO
  176.gcc:     -O3 -ipa -OPT:goto=off +FDO
  181.mcf:     -O3 -ipa -IPA:field_reorder=on -m32 +FDO
  186.crafty:  -O3 -OPT:goto=off +FDO
  197.parser:  -O3 -ipa -m32 -IPA:ctype=on +FDO
  252.eon:     -Ofast -CG:gcm=off:p2align_freq=1:prefetch=off -OPT:treeheight=on
               -TENV:X=4:frame_pointer=off -fno-exceptions
               -LNO:fu=10:full_unroll_outer=on -IPA:plimit=4000 +FDO
  253.perlbmk: -O2 -ipa -OPT:Ofast:transform_to_memlib=off
               -fno-math-errno -IPA:plimit=10000 +FDO
  254.gap:     -Ofast -WOPT:aggstr=off +FDO
  255.vortex:  -Ofast -OPT:goto=off -IPA:plimit=1800 -CG:p2align=on
               +FDO
  256.bzip2:    basepeak = true
  300.twolf:   -O2 -CG:gcm=off:p2align_freq=100000
               -OPT:Ofast:unroll_times_max=8:unroll_size=256:alias=disjoint
               -WOPT:mem_opnds=on -m32 +FDO
The tested system can be assembled using a standard ATX form factor, an Antec True 550
EPS12V power supply, and a PCI or PCIe graphics card.
Memory timings manually set in BIOS: CAS=2, TRCD=2, TRAS=5, TRP=2
Memory used is Corsair CMX512-3200XLPRO configured in dual channel mode.
BIOS version V6.00PG
```