



CINT2000 Result

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Acer Incorporated
Altos G5350 (AMD Opteron (TM) 252)

SPECint_rate2000 = 40.8
SPECint_rate_base2000 = 36.6

SPEC license #: 97 | Tested by: Acer Incorporated | Test date: Jul-2005 | Hardware Avail: Jun-2005 | Software Avail: Apr-2005

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	2	88.7	36.6	2	88.7	36.6
175.vpr	2	112	28.9	2	110	29.6
176.gcc	2	62.1	41.1	2	62.1	41.1
181.mcf	2	253	16.5	2	156	26.8
186.crafty	2	45.1	51.5	2	45.2	51.4
197.parser	2	151	27.7	2	124	33.7
252.eon	2	54.0	55.8	2	47.2	63.9
253.perlbnk	2	105	39.9	2	91.9	45.4
254.gap	2	65.3	39.1	2	64.4	39.6
255.vortex	2	74.4	59.3	2	68.4	64.5
256.bzip2	2	105	33.3	2	105	33.3
300.twolf	2	213	32.7	2	168	41.5

Hardware

CPU: AMD Opteron (TM) 252
 CPU MHz: 2600
 FPU: Integrated
 CPU(s) enabled: 2 cores, 2 chips, 1 core/chip
 CPU(s) orderable: 1,2
 Parallel: No
 Primary Cache: 64KBI + 64KBD on chip
 Secondary Cache: 1024KB (I+D) on chip
 L3 Cache: N/A
 Other Cache: N/A
 Memory: 8x512MB, DDR400 CL3 ECC
 Disk Subsystem: 1 x 36GB 10000RPM U320 SCSI HD
 Other Hardware: None

Software

Operating System: SuSE Linux Enterprise Server 9 for x86_64 SP1
 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.perlbnk: -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



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Notes/Tuning Information (Continued)

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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.perlbnk:  -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

```