CINT2000 Result

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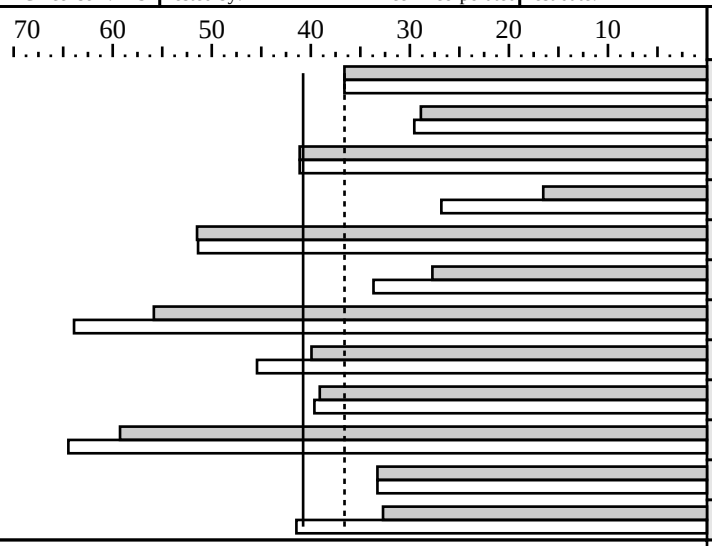
Acer Incorporated
Altos G5350 (AMD Opteron (TM) 252)

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.perlbmk	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.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
```

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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
```