CINT2000 Result

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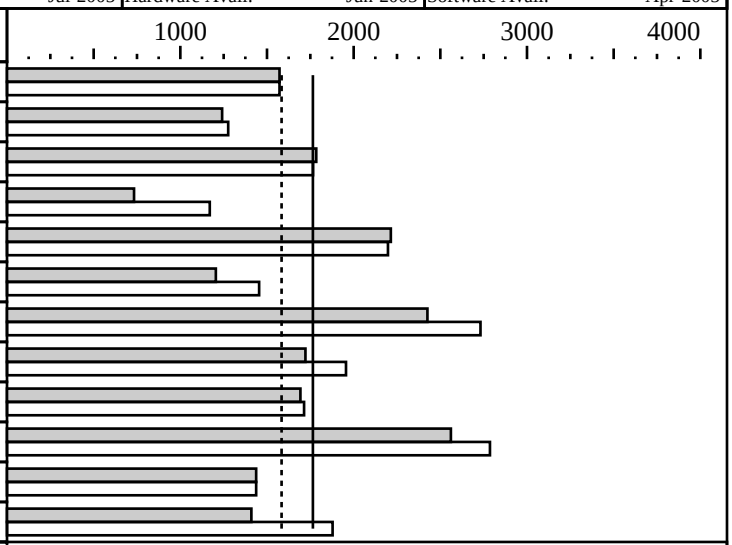
Acer Incorporated
Altos G5350 (AMD Opteron (TM) 252)

SPECint2000 = 1765

SPECint_base2000 = 1584

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
164.gzip	1400	89.0	1572	89.0	1572
175.vpr	1400	113	1241	110	1276
176.gcc	1100	61.7	1784	62.3	1765
181.mcf	1800	246	733	154	1170
186.crafty	1000	45.2	2214	45.5	2198
197.parser	1800	149	1205	124	1455
252.eon	1300	53.6	2426	47.6	2732
253.perlbmk	1800	105	1722	92.0	1956
254.gap	1100	65.0	1693	64.2	1714
255.vortex	1900	74.2	2561	68.2	2786
256.bzip2	1500	104	1437	104	1437
300.twolf	3000	213	1410	160	1878



Hardware

CPU:	AMD Opteron (TM) 252
CPU MHz:	2600
FPU:	Integrated
CPU(s) enabled:	1 core, 1 chip, 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:	4x1024MB, 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
```