CINT2000 Result

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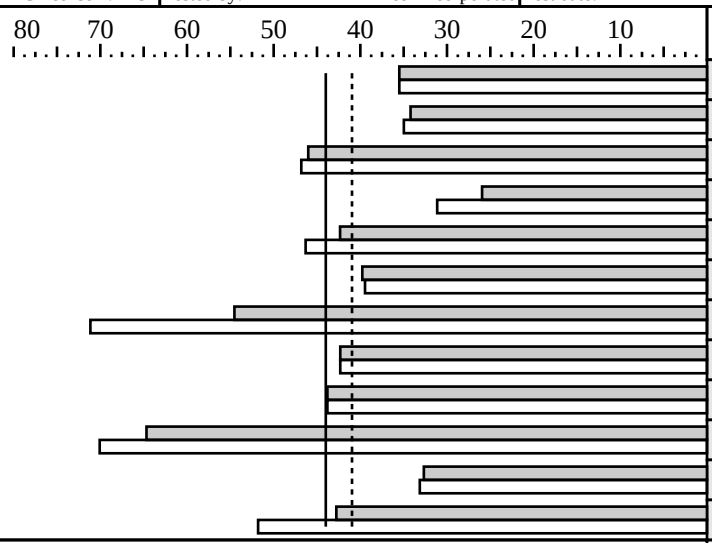
Acer Incorporated
Altos G5350 (AMD Opteron (TM) 254)

SPECint_rate2000 = 44.0

SPECint_rate_base2000 = 41.0

SPEC license #: 97 | Tested by: Acer Incorporated | Test date: Sep-2005 | Hardware Avail: Sep-2005 | Software Avail: Apr-2004



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	2	91.5	35.5	2	91.5	35.5
175.vpr	2	95.0	34.2	2	92.9	35.0
176.gcc	2	55.5	46.0	2	54.5	46.8
181.mcf	2	161	26.0	2	134	31.1
186.crafty	2	54.8	42.3	2	50.1	46.3
197.parser	2	105	39.8	2	106	39.5
252.eon	2	55.3	54.5	2	42.4	71.1
253.perlbmk	2	98.7	42.3	2	98.7	42.3
254.gap	2	58.3	43.8	2	58.3	43.8
255.vortex	2	68.2	64.7	2	62.9	70.1
256.bzip2	2	107	32.7	2	105	33.1
300.twolf	2	163	42.8	2	134	51.8

Hardware

CPU:	AMD Opteron (TM) 254
CPU MHz:	2800
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:	8 x 1024MB, DDR400 CL3 ECC
Disk Subsystem:	1 x 36GB 10000RPM U320 SCSI HDD
Other Hardware:	None

Software

Operating System:	Microsoft Windows Server 2003 Enterprise Edition (Build 3790)
Compiler:	Intel C++ 8.0 build 20031017Z for IA32 Microsoft Visual Studio .Net 2003 (7.1.3091) (libraries) MicroQuill Smartheap Library 7.4
File System:	NTFS
System State:	default

Notes/Tuning Information

```
shlW32M.lib is the SmartHeap library V7.4 from MicroQuill www.microquill.com
+FDO: PASS1=-Qprof_gen  PASS2=-Qprof_use
Portability:
  176.gcc:      -Dalloca=_alloca /F10000000
  186.crafty:   -DNT_i386
252.eon:   Approved stdcpp src.alt used
  253.perlbmk:  -DSPEC_CPU2000_NTOS -DPERLDLL /MT
  254.gap:      -DSYS_HAS_CALLOC_PROTO -DSYS_HAS_MALLOC_PROTO
Baseline C:   -fast -arch:SSE2 -Oi- +FDO
Baseline C++: -fast -arch:SSE2 -GX -GR
Peak Tuning:
164.gzip:     basepeak=yes
175.vpr:      -fast -arch:SSE2 +FDO
              -Qoption,c,-ip_ninl_max_stats=2000,-ip_ninl_max_total_stats=4500
176.gcc:      -fast -arch:SSE2 +FDO -Oi- -Qunroll3
181.mcf:      -fast -QaxN      +FDO
186.crafty:   -fast -arch:SSE2 +FDO
197.parser:         -arch:SSE2 +FDO -Oi- -Qipo
252.eon:      -fast -arch:SSE2 +FDO -Qansi_alias
             -Qoption,c,-ip_ninl_max_stats=2000,-ip_ninl_max_total_stats=4500
```

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Notes/Tuning Information (Continued)

```
253.perlbmk:  basepeak=yes
254.gap:      basepeak=yes
255.vortex:   -fast -arch:SSE  +FDO -Oi- shlW32M.lib
              -Qoption,c,-ip_ninl_max_stats=2000,-ip_ninl_max_total_stats=4500
256.bzip2:    -fast                        -Qunroll2
300.twolf:    -fast -arch:SSE2 +FDO        -Qunroll3 shlW32M.lib -Qansi_alias
```