



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.perlbnk	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.perlbnk: -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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<http://www.spec.org>



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Notes/Tuning Information (Continued)

```
253.perlbnk: 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
```