



CINT2000 Result

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Acer Incorporated
Altos G5350 (AMD Opteron (TM) 265)

SPECint_rate2000 = 58.5
SPECint_rate_base2000 = 53.5

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

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	4	141	46.0	4	141	46.0
175.vpr	4	138	47.0	4	135	48.0
176.gcc	4	84.1	60.7	4	82.3	62.0
181.mcf	4	285	29.3	4	188	44.3
186.crafty	4	85.0	54.6	4	77.7	59.7
197.parser	4	165	50.7	4	158	53.0
252.eon	4	85.9	70.2	4	66.3	91.0
253.perlbnk	4	149	56.0	4	149	56.0
254.gap	4	90.1	56.6	4	90.1	56.6
255.vortex	4	99.0	89.1	4	92.9	94.9
256.bzip2	4	158	44.2	4	151	46.2
300.twolf	4	237	58.6	4	209	66.6

Hardware

CPU: AMD Opteron (TM) 265
 CPU MHz: 1800
 FPU: Integrated
 CPU(s) enabled: 4 cores, 2 chips, 2 cores/chip
 CPU(s) orderable: 1,2
 Parallel: No
 Primary Cache: 64KBI + 64KBD on chip, per core
 Secondary Cache: 1024KB (I+D) on chip, per core
 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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info@spec.org

<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
```