



# CINT2000 Result

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Acer Incorporated  
Altos G5350 (AMD Opteron (TM) 275)

SPECint\_rate2000 = 69.5  
SPECint\_rate\_base2000 = 64.4

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

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	4	116	55.9	4	116	55.9
175.vpr	4	126	51.7	4	116	56.1
176.gcc	4	69.6	73.4	4	68.5	74.5
181.mcf	4	219	38.2	4	177	47.2
186.crafty	4	69.6	66.6	4	63.6	72.9
197.parser	4	131	63.6	4	136	61.3
252.eon	4	70.5	85.6	4	54.1	112
253.perlbnk	4	124	67.6	4	124	67.6
254.gap	4	75.0	68.1	4	75.0	68.1
255.vortex	4	84.0	105	4	77.4	114
256.bzip2	4	135	51.5	4	128	54.2
300.twolf	4	199	70.0	4	171	81.6

### Hardware

CPU: AMD Opteron (TM) 275  
 CPU MHz: 2200  
 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 (on chip) per core  
 L3 Cache: N/A  
 Other Cache: N/A  
 Memory: 8x1024MB, DDR400 CL3 ECC  
 Disk Subsystem: 1 x 36GB 10000RPM U320 SCSI HDD  
 Other Hardware: None

### Software

Operating System: Microsoft Windows Server 2003 Standard Edition (Build 3790)  
 Compiler: Intel C++ 8.0 build 20031017Z  
 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](http://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
```