



# CINT2000 Result

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

SPECint2000 = 1918  
SPECint\_base2000 = 1788

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	
164.gzip	1400	90.5	1548	90.5	1548	
175.vpr	1400	95.2	1470	92.6	1511	
176.gcc	1100	54.4	2022	53.6	2054	
181.mcf	1800	156	1157	130	1383	
186.crafty	1000	54.3	1841	50.1	1998	
197.parser	1800	104	1727	104	1731	
252.eon	1300	54.9	2368	42.8	3041	
253.perlbnk	1800	97.3	1850	97.3	1850	
254.gap	1100	56.8	1936	56.8	1936	
255.vortex	1900	67.1	2832	62.8	3028	
256.bzip2	1500	106	1415	102	1464	
300.twolf	3000	161	1863	135	2230	

### Hardware

CPU: AMD Opteron (TM) 254  
CPU MHz: 2800  
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: 4 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](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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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
```