



# CINT2000 Result

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Acer Incorporated  
Altos G5350 (AMD Opteron (TM) 250)

SPECint2000 = 1698  
SPECint\_base2000 = 1487

SPEC license #: 97 Tested by: Acer Incorporated Test date: Apr-2006 Hardware Avail: Dec-2005 Software Avail: Nov-2005

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	
164.gzip	1400	121	1162	106	1319	
175.vpr	1400	131	1067	104	1342	
176.gcc	1100	89.6	1228	61.7	1782	
181.mcf	1800	163	1102	130	1387	
186.crafty	1000	61.9	1615	59.3	1686	
197.parser	1800	120	1505	120	1498	
252.eon	1300	58.4	2225	51.4	2530	
253.perlbnk	1800	102	1767	100	1792	
254.gap	1100	68.1	1616	68.1	1616	
255.vortex	1900	80.1	2371	68.2	2785	
256.bzip2	1500	117	1286	113	1333	
300.twolf	3000	203	1478	157	1906	

### Hardware

CPU: AMD Opteron (TM) 250  
 CPU MHz: 2400  
 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, per core  
 Secondary Cache: 1024KB (I+D) on chip, per core  
 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++ 9.0 build 20051130Z 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

253.perlbnk: -DSPEC\_CPU2000\_NTOS -DPERLDLL /MT

254.gap: -DSYS\_HAS\_CALLOC\_PROTO -DSYS\_HAS\_MALLOC\_PROTO

Baseline C: -O3 -Qipo -Op +FDO

Baseline C++: -O3 -Qipo -Qcxx-features +FDO

Peak Tuning:

164.gzip: -O3 -Qipo -QxW +FDO

175.vpr: -O3 -Qipo -QxW +FDO

-Qoption,c,-ip\_ninl\_max\_stats=2000,-ip\_ninl\_max\_total\_stats=4500

176.gcc: -O3 -Qipo -QxW -Oi- -Qunroll13 +FDO

181.mcf: -O3 -Qipo -QaxN +FDO

186.crafty: -O3 -Qipo -QxW +FDO

197.parser: -QxW +FDO -Oi- -Qipo

252.eon: -O3 -Qipo -QxW +FDO -Qansi\_alias

-Qoption,c,-ip\_ninl\_max\_stats=2000,-ip\_ninl\_max\_total\_stats=4500

253.perlbnk: -O3 -Qipo -QxW +FDO

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<http://www.spec.org>



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## Notes/Tuning Information (Continued)

```
254.gap:      basepeak=yes
255.vortex:   -O3 -Qipo -arch:SSE +FDO -Oi- shlw32M.lib
              -Qoption,c,-ip_ninl_max_stats=2000,-ip_ninl_max_total_stats=4500
256.bzip2:    -O3 -Qipo -Qunroll2
300.twolf:    -O3 -Qipo -QxW +FDO -Qunroll3 shlw32M.lib -Qansi_alias
```