



# CINT2000 Result

Copyright ©1999-2005, Standard Performance Evaluation Corporation

Acer Incorporated  
Altos G5350 (AMD Opteron (TM) 246)

SPECint2000 = 1438  
SPECint\_base2000 = 1347

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	126	1114	126	1114	
175.vpr	1400	123	1137	120	1171	
176.gcc	1100	73.8	1490	72.6	1515	
181.mcf	1800	173	1043	146	1232	
186.crafty	1000	75.8	1318	70.0	1428	
197.parser	1800	140	1287	139	1292	
252.eon	1300	76.8	1693	59.9	2169	
253.perlbnk	1800	133	1351	133	1351	
254.gap	1100	76.6	1435	76.6	1435	
255.vortex	1900	88.7	2143	83.1	2287	
256.bzip2	1500	138	1090	133	1130	
300.twolf	3000	215	1398	188	1598	

### Hardware

CPU: AMD Opteron (TM) 246  
 CPU MHz: 2000  
 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

Standard Performance Evaluation Corporation

info@spec.org

<http://www.spec.org>



# CINT2000 Result

Copyright ©1999-2005, Standard Performance Evaluation Corporation

Acer Incorporated  
Altos G5350 (AMD Opteron (TM) 246)

SPECint2000 = 1438  
SPECint\_base2000 = 1347

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

## 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
```