



# CINT2000 Result

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**Acer Incorporated**  
Acer Altos G320 (3.0 GHz Intel Pentium 4 630)

SPECint2000 = 1478  
SPECint\_base2000 = 1478

SPEC license #: 97 Tested by: Acer Incorporated Test date: Oct-2005 Hardware Avail: Sep-2005 Software Avail: May-2005

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	1000 2000 3000 4000			
164.gzip	1400	140	1002	140	1002	[Bar chart showing ratio 1002]			
175.vpr	1400	137	1020	137	1024	[Bar chart showing ratio 1024]			
176.gcc	1100	62.5	1760	62.5	1760	[Bar chart showing ratio 1760]			
181.mcf	1800	98.0	1837	98.0	1837	[Bar chart showing ratio 1837]			
186.crafty	1000	90.7	1103	90.7	1103	[Bar chart showing ratio 1103]			
197.parser	1800	144	1254	144	1253	[Bar chart showing ratio 1253]			
252.eon	1300	69.3	1877	69.5	1871	[Bar chart showing ratio 1871]			
253.perlbmk	1800	101	1788	101	1787	[Bar chart showing ratio 1787]			
254.gap	1100	66.9	1645	66.9	1645	[Bar chart showing ratio 1645]			
255.vortex	1900	76.0	2500	76.0	2500	[Bar chart showing ratio 2500]			
256.bzip2	1500	132	1133	133	1132	[Bar chart showing ratio 1132]			
300.twolf	3000	197	1521	197	1521	[Bar chart showing ratio 1521]			

### Hardware

CPU: Intel Pentium 4 630 (3.0 GHz, 2MB L2, 800MHz system bus)  
CPU MHz: 3000  
FPU: Integrated  
CPU(s) enabled: 1 core, 1 chip, 1 core/chip(Hyper-Threading Technology Disable)  
CPU(s) orderable: 1  
Parallel: No  
Primary Cache: 12KB(I) micro-ops + 16KB(D) on chip  
Secondary Cache: 2048KB(I+D) on chip  
L3 Cache: N/A  
Other Cache: N/A  
Memory: 4 x 1024MB ECC DDR2-667 SDRAM  
Disk Subsystem: 1 x 36GB 10000RPM U320 SCSI HDD  
Other Hardware:

### Software

Operating System: Microsoft Windows Server 2003 Enterprise Edition (Build 3790)  
Compiler: Intel C++ Compiler 9.0 Build 20050430Z for IA32  
Microsoft Visual Studio .Net 2003(7.1.3091, for libraries)  
shlw32M.lib is SmartHeap Library Version 7.4 from http://www.microquill.com/  
File System: NTFS  
System State: Default

## Notes/Tuning Information

```
+FDO: PASS1=-Qprof_gen PASS2=-Qprof_use
Base tuning for C programs: -fast +FDO shlw32M.lib
Base tuning for C++ programs: -fast -Qcxx_features +FDO shlw32M.lib
Portability flags:
176.gcc: -Dalloca=_alloca /F10000000
186.crafty: -DNT_i386
252.eon: Approved stdcpp src.alt used
253.perlbmk: -DSPEC_CPU2000_NTOS -DPERLDLL /MT
254.gap: -DSYS_HAS_CALLOC_PROTO -DSYS_HAS_MALLOC_PROTO
Peak tuning:
164.gzip: basepeak=yes
175.vpr: -fast -Qansi_alias +FDO
176.gcc: basepeak=yes
181.mcf: basepeak=yes
186.crafty: basepeak=yes
197.parser: -fast -Qansi_alias +FDO
252.eon: -fast +FDO
253.perlbmk: -fast -Qansi_alias +FDO shlw32M.lib
254.gap: basepeak=yes
255.vortex: basepeak=yes
```



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## Notes/Tuning Information (Continued)

256.bzip2: -fast -Oa -Qunroll11 +FDO  
300.twolf: -fast -O3 +FDO shlw32M.lib

Product description located at <http://www.acer.com>