



# CINT2000 Result

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## Acer Incorporated

Acer Altos R510 Mk2 (3.0 GHz Intel Xeon processor, 2MB L2, 800MHz system bus)

SPECint\_rate2000 = 18.6

SPECint\_rate\_base2000 = 18.6

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

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	2	210	15.4	2	210	15.4
175.vpr	2	265	12.3	2	259	12.6
176.gcc	2	106	24.1	2	106	24.1
181.mcf	2	227	18.4	2	227	18.4
186.crafty	2	178	13.0	2	178	13.0
197.parser	2	237	17.6	2	236	17.7
252.eon	2	141	21.4	2	141	21.3
253.perlbnk	2	216	19.3	2	217	19.3
254.gap	2	120	21.4	2	120	21.4
255.vortex	2	149	29.6	2	149	29.6
256.bzip2	2	217	16.0	2	217	16.1
300.twolf	2	326	21.3	2	326	21.3

### Hardware

CPU: Intel Xeon (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 Enabled)  
CPU(s) orderable: 1,2  
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: 6 x 512MB ECC DDR2-400 SDRAM  
Disk Subsystem: 1 x 160GB 7200RPM SATA 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.perlbnk: -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.perlbnk: -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 -Qunroll1 +FDO

300.twolf: -fast +FDO shlw32M.lib

Enable hardware prefetching and adjacent cache line prefetch BIOS setting

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