



# CINT2000 Result

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Acer Incorporated  
Altos G710 (3.0 GHz Intel Xeon)

SPECint\_rate2000 = 32.9  
SPECint\_rate\_base2000 = 32.8

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

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	2	140	23.2	2	140	23.2
175.vpr	2	141	23.0	2	139	23.4
176.gcc	2	65.3	39.1	2	65.3	39.1
181.mcf	2	121	34.4	2	121	34.4
186.crafty	2	89.3	26.0	2	89.3	26.0
197.parser	2	146	28.7	2	146	28.7
252.eon	2	69.0	43.7	2	68.8	43.8
253.perlbnk	2	102	40.8	2	102	40.8
254.gap	2	74.5	34.3	2	74.5	34.3
255.vortex	2	79.2	55.7	2	79.2	55.7
256.bzip2	2	141	24.7	2	140	24.9
300.twolf	2	200	34.9	2	200	34.9

### Hardware

CPU: Intel Xeon (3.0 GHz, 2MB L2, 800MHz system bus)  
CPU MHz: 3000  
FPU: Integrated  
CPU(s) enabled: 2 cores, 2 chips, 1 core/chip(Hyper-Threading Technology disabled)  
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: 8 x 512MB ECC DDR2-400 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 8.1 Build 20041019Z  
Microsoft Visual Studio .Net 2003(7.1.3091, for libraries)  
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
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 -O3 +FDO shlw32M.lib  
For PASS1\_CFLAGS of 300.twolf -fast also implicitly calls out -O3  
Product description located at <http://www.acer.com>