



CINT2000 Result

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Acer Incorporated
Acer Altos G320 (3.0 GHz Intel Pentium D 930)

SPECint_rate2000 = 33.9
SPECint_rate_base2000 = 33.8

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

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	2	138	23.6	2	138	23.6
175.vpr	2	140	23.2	2	138	23.5
176.gcc	2	62.1	41.1	2	62.1	41.1
181.mcf	2	108	38.7	2	108	38.7
186.crafty	2	89.9	25.8	2	89.9	25.8
197.parser	2	143	29.1	2	143	29.2
252.eon	2	69.0	43.7	2	68.5	44.0
253.perlbnk	2	101	41.4	2	101	41.5
254.gap	2	71.3	35.8	2	71.3	35.8
255.vortex	2	76.0	58.0	2	76.0	58.0
256.bzip2	2	134	26.0	2	134	26.0
300.twolf	2	199	34.9	2	199	34.9

Hardware

CPU: Intel Pentium D 930 (3.0 GHz, 2x2MB L2, 800MHz system bus)
CPU MHz: 3000
FPU: Integrated
CPU(s) enabled: 2 cores, 1 chip, 2 cores/chip
CPU(s) orderable: 1
Parallel: No
Primary Cache: 12KB(I) micro-ops + 16KB(D) on chip, per core
Secondary Cache: 2048KB(I+D) on chip, per core
L3 Cache: N/A
Other Cache: N/A
Memory: 4 x 1024MB ECC DDR2-667 SDRAM
Disk Subsystem: 1 x 73GB 10000RPM SATA HDD
Other Hardware:

Software

Operating System: Microsoft Windows Server 2003 Enterprise Edition (Build 3790), Service Pack 1
Compiler: Intel C++ Compiler 9.0 Build 20051130Z 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
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
256.bzip2: -fast -Oa -Qunroll1 +FDO
```



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Notes/Tuning Information (Continued)

300.twolf: -fast +FDO shlw32M.lib
Enable hardware prefetching and adjacent cache line prefetch BIOS setting
Product description located at <http://www.acer.com>