# CINT2000 Result

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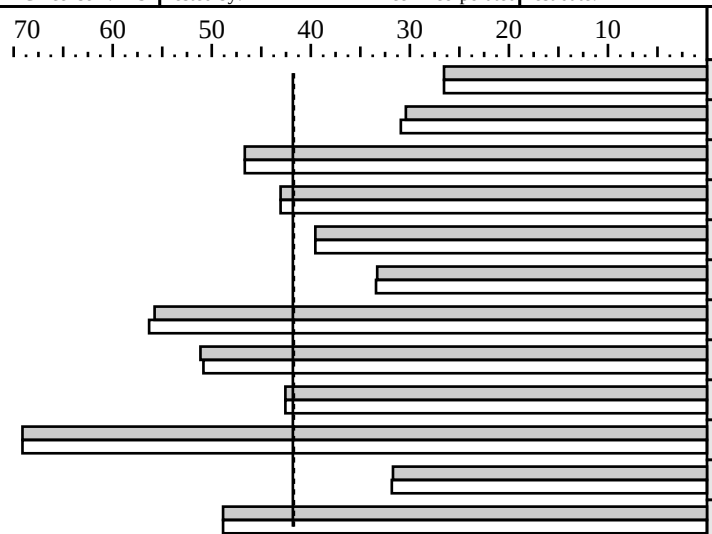
## Acer Incorporated

Acer Altos G540 (1.86 GHz Intel Xeon Processor 5120)

SPECint_rate2000 = 41.8

SPECint_rate_base2000 = 41.7

SPEC license #: 97 | Tested by: Acer Incorporated | Test date: Sep-2006 | Hardware Avail: Sep-2006 | Software Avail: Mar-2006




| Benchmark | Base Copies | Base Runtime | Base Ratio | Copies | Runtime | Ratio |
|---|---|---|---|---|---|---|
| 164.gzip | 2 | 122 | 26.6 | 2 | 122 | 26.6 |
| 175.vpr | 2 | 107 | 30.4 | 2 | 105 | 30.9 |
| 176.gcc | 2 | 54.7 | 46.7 | 2 | 54.7 | 46.7 |
| 181.mcf | 2 | 97.0 | 43.1 | 2 | 97.0 | 43.1 |
| 186.crafty | 2 | 58.7 | 39.5 | 2 | 58.7 | 39.5 |
| 197.parser | 2 | 125 | 33.3 | 2 | 125 | 33.4 |
| 252.eon | 2 | 54.1 | 55.8 | 2 | 53.5 | 56.3 |
| 253.perlbmk | 2 | 81.7 | 51.1 | 2 | 82.1 | 50.8 |
| 254.gap | 2 | 60.0 | 42.6 | 2 | 60.0 | 42.6 |
| 255.vortex | 2 | 63.8 | 69.1 | 2 | 63.8 | 69.1 |
| 256.bzip2 | 2 | 110 | 31.7 | 2 | 109 | 31.8 |
| 300.twolf | 2 | 142 | 48.9 | 2 | 142 | 48.9 |

### Hardware

| | |
|---|---|
| CPU: | Intel Xeon Processor 5120 (1.86 GHz, 4MB L2, 1066 MHz system bus) |
| CPU MHz: | 1860 |
| FPU: | Integrated |
| CPU(s) enabled: | 2 cores, 1 chip, 2 cores/chip |
| CPU(s) orderable: | 1,2 chips |
| Parallel: | No |
| Primary Cache: | 32KB(I) + 32KB(D) on chip, per core |
| Secondary Cache: | 4096KB(I+D) on chip (per chip), shared |
| L3 Cache: | N/A |
| Other Cache: | N/A |
| Memory: | 8 x 1024MB ECC FB-DIMM DDR2-667 |
| Disk Subsystem: | 1 x 73GB 10000RPM SAS HDD |
| Other Hardware: | |

### Software

| | |
|---|---|
| Operating System: | Microsoft Windows Server 2003 Enterprise Edition (Build 3790), Service Pack 1 |
| Compiler: | Intel C++ Compiler 9.1 Build 20060323Z for IA32<br>Microsoft Visual Studio .Net 2003 (7.1.3091, for libraries)<br>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.crafy: -DNT_i386
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
256.bzip2:   -fast -Oa -Qunroll1 +FDO
```

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## Notes/Tuning Information (Continued)

```
300.twolf:    -fast  +FDO shlW32M.lib
```