# CINT2000 Result

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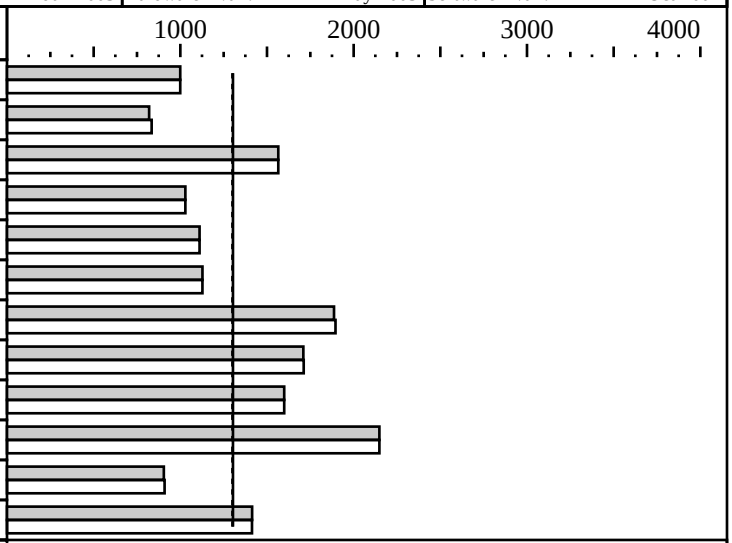
## Acer Incorporated
## Altos G520 (3.0 GHz Intel Xeon)

SPECint2000 = 1304

SPECint_base2000 = 1301

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

| Benchmark | Reference Time | Base Runtime | Base Ratio | Runtime | Ratio |
|---|---|---|---|---|---|
| 164.gzip | 1400 | 140 | 999 | 140 | 999 |
| 175.vpr | 1400 | 171 | 820 | 168 | 834 |
| 176.gcc | 1100 | 70.3 | 1565 | 70.3 | 1565 |
| 181.mcf | 1800 | 175 | 1029 | 175 | 1029 |
| 186.crafty | 1000 | 90.0 | 1111 | 90.0 | 1111 |
| 197.parser | 1800 | 160 | 1128 | 160 | 1128 |
| 252.eon | 1300 | 68.9 | 1887 | 68.6 | 1895 |
| 253.perlbmk | 1800 | 105 | 1710 | 105 | 1712 |
| 254.gap | 1100 | 68.8 | 1599 | 68.8 | 1599 |
| 255.vortex | 1900 | 88.4 | 2148 | 88.4 | 2148 |
| 256.bzip2 | 1500 | 166 | 905 | 165 | 909 |
| 300.twolf | 3000 | 212 | 1414 | 212 | 1413 |




### Hardware

| | |
|---|---|
| CPU: | Intel Xeon (3.0 GHz, 1MB L2, 800MHz system bus) |
| CPU MHz: | 3000 |
| FPU: | Integrated |
| CPU(s) enabled: | 1 core, 1 chip, 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: | 1024KB(I+D) on chip |
| L3 Cache: | N/A |
| Other Cache: | N/A |
| Memory: | 4 x 1024MB ECC DDR-333 SDRAM |
| Disk Subsystem: | 1 x 120GB 7200RPM SATA HDD |
| Other Hardware: | |

### Software

| | |
|---|---|
| Operating System: | Microsoft Windows Server 2003 Enterprise Edition (Build 3790) |
| Compiler: | Intel C++ Compiler 8.1 Build 20041019Z<br>Microsoft Visual Studio .Net 2003(7.1.3091, for libraries)<br>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.crafy: -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 -Qunroll1 +FDO
300.twolf:    -fast -O3 +FDO shlW32M.lib
For PASS1_CFLAGS of 300.twolf -fast also implicitly calls out -O3
Enable hardware prefetching and adjacent cache line prefetch BIOS setting
Product description located at http://www.acer.com
```