# CINT2000 Result

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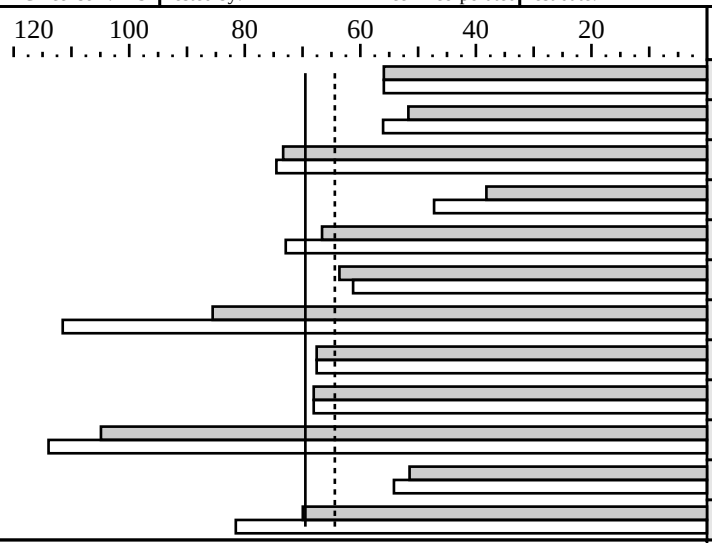
## Acer Incorporated
## Altos G5350 (AMD Opteron (TM) 275)

SPECint_rate2000 = 69.5

SPECint_rate_base2000 = 64.4

SPEC license #: 97 | Tested by: Acer Incorporated | Test date: Aug-2005 | Hardware Avail: Jun-2005 | Software Avail: Jul-2005




| Benchmark | Base Copies | Base Runtime | Base Ratio | Copies | Runtime | Ratio |
|---|---|---|---|---|---|---|
| 164.gzip | 4 | 116 | 55.9 | 4 | 116 | 55.9 |
| 175.vpr | 4 | 126 | 51.7 | 4 | 116 | 56.1 |
| 176.gcc | 4 | 69.6 | 73.4 | 4 | 68.5 | 74.5 |
| 181.mcf | 4 | 219 | 38.2 | 4 | 177 | 47.2 |
| 186.crafty | 4 | 69.6 | 66.6 | 4 | 63.6 | 72.9 |
| 197.parser | 4 | 131 | 63.6 | 4 | 136 | 61.3 |
| 252.eon | 4 | 70.5 | 85.6 | 4 | 54.1 | 112 |
| 253.perlbmk | 4 | 124 | 67.6 | 4 | 124 | 67.6 |
| 254.gap | 4 | 75.0 | 68.1 | 4 | 75.0 | 68.1 |
| 255.vortex | 4 | 84.0 | 105 | 4 | 77.4 | 114 |
| 256.bzip2 | 4 | 135 | 51.5 | 4 | 128 | 54.2 |
| 300.twolf | 4 | 199 | 70.0 | 4 | 171 | 81.6 |

### Hardware

| | |
|---|---|
| CPU: | AMD Opteron (TM) 275 |
| CPU MHz: | 2200 |
| FPU: | Integrated |
| CPU(s) enabled: | 4 cores, 2 chips, 2 cores/chip |
| CPU(s) orderable: | 1,2 |
| Parallel: | No |
| Primary Cache: | 64KBI + 64KBD (on chip) per core |
| Secondary Cache: | 1024KB (I+D) on chip (on chip) per core |
| L3 Cache: | N/A |
| Other Cache: | N/A |
| Memory: | 8x1024MB, DDR400 CL3 ECC |
| Disk Subsystem: | 1 x 36GB 10000RPM U320 SCSI HDD |
| Other Hardware: | None |

### Software

| | |
|---|---|
| Operating System: | Microsoft Windows Server 2003 Standard Edition (Build 3790) |
| Compiler: | Intel C++ 8.0 build 20031017Z<br>Microsoft Visual Studio .Net 2003 (7.1.3091) (libraries)<br>MicroQuill Smartheap Library 7.4 |
| File System: | NTFS |
| System State: | default |

## Notes/Tuning Information

```
  shlW32M.lib is the SmartHeap library V7.4 from MicroQuill www.microquill.com
  +FDO: PASS1=-Qprof_gen  PASS2=-Qprof_use
  Portability:
    176.gcc:      -Dalloca=_alloca /F10000000
    186.crafty:   -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
  Baseline C:   -fast -arch:SSE2 -Oi- +FDO
  Baseline C++: -fast -arch:SSE2 -GX -GR
 Peak Tuning:
  164.gzip:     basepeak=yes
  175.vpr:      -fast -arch:SSE2 +FDO
                -Qoption,c,-ip_ninl_max_stats=2000,-ip_ninl_max_total_stats=4500
  176.gcc:      -fast -arch:SSE2 +FDO -Oi- -Qunroll3
  181.mcf:      -fast -QaxN      +FDO
  186.crafty:   -fast -arch:SSE2 +FDO
  197.parser:         -arch:SSE2 +FDO -Oi- -Qipo
  252.eon:      -fast -arch:SSE2 +FDO -Qansi_alias
               -Qoption,c,-ip_ninl_max_stats=2000,-ip_ninl_max_total_stats=4500
```

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## Notes/Tuning Information (Continued)

```
253.perlbmk:  basepeak=yes
254.gap:      basepeak=yes
255.vortex:   -fast -arch:SSE  +FDO -Oi- shlW32M.lib
              -Qoption,c,-ip_ninl_max_stats=2000,-ip_ninl_max_total_stats=4500
256.bzip2:    -fast                        -Qunroll2
300.twolf:    -fast -arch:SSE2 +FDO        -Qunroll3 shlW32M.lib -Qansi_alias
```