



CINT2000 Result

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Acer Incorporated
Altos G5350 (AMD Opteron (TM) 246)

SPECint_rate2000 = 32.8
SPECint_rate_base2000 = 30.7

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

| Benchmark | Base Copies | Base Runtime | Base Ratio | Copies | Runtime | Ratio |
|-------------|-------------|--------------|------------|--------|---------|-------|
| 164.gzip | 2 | 127 | 25.7 | 2 | 127 | 25.7 |
| 175.vpr | 2 | 125 | 25.9 | 2 | 121 | 26.7 |
| 176.gcc | 2 | 75.4 | 33.9 | 2 | 74.2 | 34.4 |
| 181.mcf | 2 | 186 | 22.4 | 2 | 157 | 26.6 |
| 186.crafty | 2 | 76.6 | 30.3 | 2 | 70.1 | 33.1 |
| 197.parser | 2 | 144 | 29.1 | 2 | 142 | 29.5 |
| 252.eon | 2 | 76.0 | 39.7 | 2 | 59.3 | 50.9 |
| 253.perlbnk | 2 | 135 | 31.0 | 2 | 135 | 31.0 |
| 254.gap | 2 | 78.1 | 32.7 | 2 | 78.1 | 32.7 |
| 255.vortex | 2 | 90.6 | 48.6 | 2 | 84.9 | 51.9 |
| 256.bzip2 | 2 | 140 | 24.9 | 2 | 135 | 25.8 |
| 300.twolf | 2 | 217 | 32.1 | 2 | 189 | 36.9 |

Hardware

CPU: AMD Opteron (TM) 246
 CPU MHz: 2000
 FPU: Integrated
 CPU(s) enabled: 2 cores, 2 chips, 1 core/chip
 CPU(s) orderable: 1,2
 Parallel: No
 Primary Cache: 64KBI + 64KBD on chip
 Secondary Cache: 1024KB (I+D) on chip
 L3 Cache: N/A
 Other Cache: N/A
 Memory: 8 x 1024MB, DDR400 CL3 ECC
 Disk Subsystem: 1 x 36GB 10000RPM U320 SCSI HDD
 Other Hardware: None

Software

Operating System: Microsoft Windows Server 2003 Enterprise Edition (Build 3790)
 Compiler: Intel C++ 8.0 build 20031017Z for IA32
 Microsoft Visual Studio .Net 2003 (7.1.3091) (libraries)
 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.perlbnk: -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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info@spec.org

<http://www.spec.org>



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Notes/Tuning Information (Continued)

```
253.perlbnk: 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
```