



CINT2000 Result

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Acer Incorporated

Acer Altos R510Mk2 (3.6 GHz Intel Xeon processor, 2MB L2)

SPECint2000 = 1718

SPECint_base2000 = 1715

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

| Benchmark | Reference Time | Base Runtime | Base Ratio | Runtime | Ratio | 1000 2000 3000 4000 | | | |
|-------------|----------------|--------------|------------|---------|-------|---------------------------|--|--|--|
| 164.gzip | 1400 | 118 | 1185 | 118 | 1185 | [Bar chart showing ratio] | | | |
| 175.vpr | 1400 | 120 | 1164 | 119 | 1178 | [Bar chart showing ratio] | | | |
| 176.gcc | 1100 | 53.0 | 2077 | 53.0 | 2077 | [Bar chart showing ratio] | | | |
| 181.mcf | 1800 | 97.2 | 1851 | 97.2 | 1851 | [Bar chart showing ratio] | | | |
| 186.crafty | 1000 | 74.7 | 1339 | 74.7 | 1339 | [Bar chart showing ratio] | | | |
| 197.parser | 1800 | 123 | 1464 | 123 | 1467 | [Bar chart showing ratio] | | | |
| 252.eon | 1300 | 57.5 | 2261 | 57.1 | 2277 | [Bar chart showing ratio] | | | |
| 253.perlbmk | 1800 | 84.3 | 2135 | 84.2 | 2137 | [Bar chart showing ratio] | | | |
| 254.gap | 1100 | 57.2 | 1922 | 57.2 | 1922 | [Bar chart showing ratio] | | | |
| 255.vortex | 1900 | 66.7 | 2850 | 66.7 | 2850 | [Bar chart showing ratio] | | | |
| 256.bzip2 | 1500 | 116 | 1295 | 116 | 1294 | [Bar chart showing ratio] | | | |
| 300.twolf | 3000 | 165 | 1820 | 165 | 1820 | [Bar chart showing ratio] | | | |

Hardware

CPU: Intel Xeon (3.6 GHz, 2MB L2, 800MHz system bus)
CPU MHz: 3600
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: 2048KB(I+D) on chip
L3 Cache: N/A
Other Cache: N/A
Memory: 6 x 512MB ECC DDR2-400 SDRAM
Disk Subsystem: 1 x 160GB 7200RPM SATA HDD
Other Hardware:

Software

Operating System: Microsoft Windows Server 2003 Enterprise Edition (Build 3790)
Compiler: Intel C++ Compiler 9.0 Build 20051130Z for IA32
Microsoft Visual Studio .Net 2003(7.1.3091, for libraries)
shlW32M.lib is Microquill SmartHeap Library Version 7.4
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.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 -Qunroll11 +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>