



CINT2000 Result

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Acer Incorporated

Acer Altos R910 (3.4 GHz Intel Xeon Processor 7140M)

SPECint_rate2000 = 84.5

SPECint_rate_base2000 = 84.4

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

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	8	193	67.4	8	193	67.4
175.vpr	8	233	55.7	8	230	56.5
176.gcc	8	95.6	107	8	95.6	107
181.mcf	8	169	98.8	8	169	98.8
186.crafty	8	160	58.1	8	160	58.1
197.parser	8	206	81.1	8	204	81.7
252.eon	8	105	115	8	105	115
253.perlbnk	8	189	88.6	8	188	88.6
254.gap	8	129	78.8	8	129	78.8
255.vortex	8	137	129	8	137	129
256.bzip2	8	175	79.7	8	175	79.6
300.twolf	8	329	84.6	8	329	84.5

Hardware

CPU: Intel Xeon Processor 7140M (3.4 GHz, 16MB L3, 800MHz system bus)
CPU MHz: 3400
FPU: Integrated
CPU(s) enabled: 4 cores, 2 chips, 2 cores/chip (Hyper-Threading Technology enabled)
CPU(s) orderable: 1,2,3,4
Parallel: No
Primary Cache: 12K(I) micro-ops + 16KB(D) on chip, per core
Secondary Cache: 1024KB(I+D) on chip, per core
L3 Cache: 16MB on chip, per chip
Other Cache: N/A
Memory: 16 x 1024MB ECC DDR2-400 SDRAM
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
Microsoft Visual Studio .Net 2003 (7.1.3091, for libraries)
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 -Qansi_alias +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.perlbnk: -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.perlbnk: -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