CINT2000 Result

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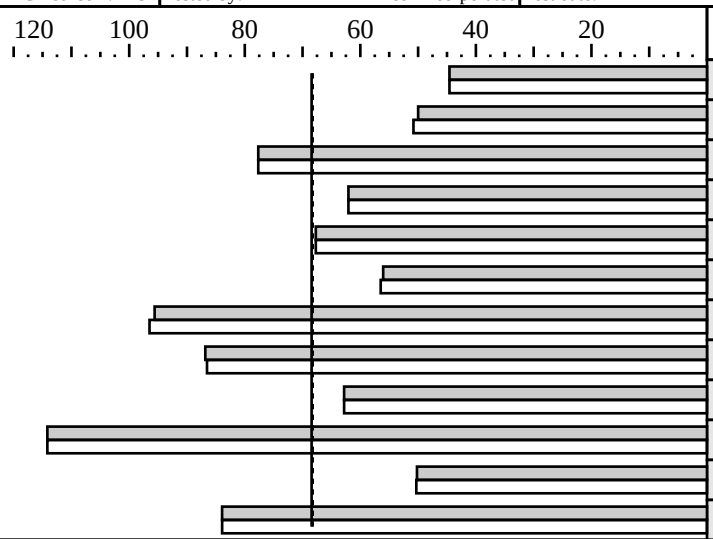
Acer Incorporated

Acer Altos R520 (1.6 GHz Intel Xeon Processor E5310)

SPECint_rate2000 = 68.4

SPECint_rate_base2000 = 68.3

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



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	4	146	44.6	4	146	44.6
175.vpr	4	130	50.0	4	128	50.8
176.gcc	4	65.7	77.7	4	65.7	77.7
181.mcf	4	135	62.1	4	135	62.1
186.crafty	4	68.5	67.7	4	68.5	67.7
197.parser	4	149	56.0	4	148	56.5
252.eon	4	63.1	95.6	4	62.5	96.5
253.perlbmk	4	96.2	86.8	4	96.5	86.5
254.gap	4	81.3	62.8	4	81.3	62.8
255.vortex	4	77.2	114	4	77.2	114
256.bzip2	4	139	50.2	4	138	50.3
300.twolf	4	166	83.9	4	166	83.9

Hardware

CPU:	Intel Xeon Processor E5310 (1.6 GHz, 8MB L2, 1066 MHz system bus)
CPU MHz:	1600
FPU:	Integrated
CPU(s) enabled:	4 cores, 1 chip, 4 cores/chip
CPU(s) orderable:	1,2 chips
Parallel:	No
Primary Cache:	32KB(I) + 32KB(D) on chip, per core
Secondary Cache:	8MB(I+D) on chip, per chip (4MB shared per 2 cores)
L3 Cache:	N/A
Other Cache:	N/A
Memory:	8 x 2048MB ECC FB-DIMM DDR2-667
Disk Subsystem:	1 x 73GB 10KRPM 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 +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 -Qunroll1 +FDO
```

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Notes/Tuning Information (Continued)

300.twolf: -fast +FDO shlW32M.lib

The Altos R720 and Altos R520 are electronically equivalent.