CINT2000 Result

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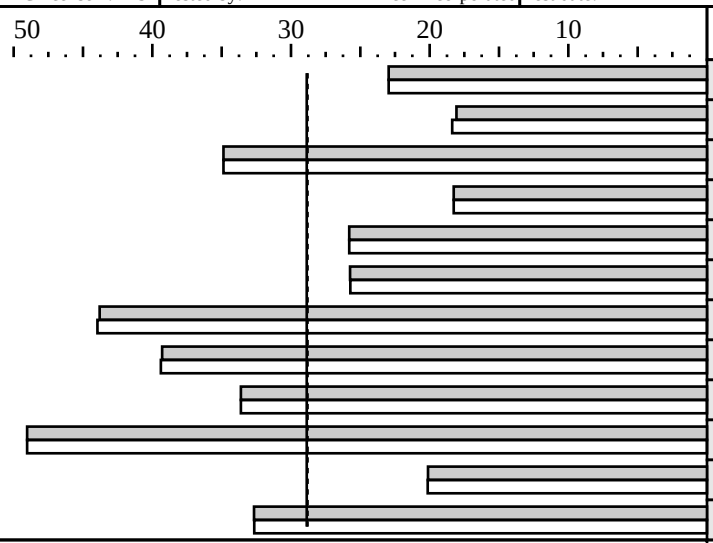
Acer Incorporated
Altos G520 (3.0 GHz Intel Xeon)

SPECint_rate2000 = 28.9

SPECint_rate_base2000 = 28.8

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



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	2	141	23.0	2	141	23.0
175.vpr	2	180	18.1	2	177	18.4
176.gcc	2	73.2	34.9	2	73.2	34.9
181.mcf	2	229	18.3	2	229	18.3
186.crafty	2	89.9	25.8	2	89.9	25.8
197.parser	2	162	25.7	2	162	25.7
252.eon	2	68.9	43.8	2	68.6	44.0
253.perlbmk	2	106	39.3	2	106	39.4
254.gap	2	75.9	33.6	2	75.9	33.6
255.vortex	2	89.9	49.0	2	89.9	49.0
256.bzip2	2	173	20.1	2	173	20.1
300.twolf	2	213	32.7	2	213	32.6

Hardware

CPU:	Intel Xeon (3.0 GHz, 1MB L2, 800MHz system bus)
CPU MHz:	3000
FPU:	Integrated
CPU(s) enabled:	2 cores, 2 chips, 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:	1024KB(I+D) on chip
L3 Cache:	N/A
Other Cache:	N/A
Memory:	4 x 1024MB ECC DDR-333 SDRAM
Disk Subsystem:	1 x 120GB 7200RPM SATA HDD
Other Hardware:	

Software

Operating System:	Microsoft Windows Server 2003 Enterprise Edition (Build 3790)
Compiler:	Intel C++ Compiler 8.1 Build 20041019Z Microsoft Visual Studio .Net 2003(7.1.3091, for libraries) 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
Portability flags:
176.gcc: -Dalloca=_alloca /F10000000
186.crafy: -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
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
```

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Notes/Tuning Information (Continued)

```
256.bzip2:   -fast -Oa -Qunroll1 +FDO
300.twolf:    -fast -O3 +FDO shlW32M.lib
For PASS1_CFLAGS of 300.twolf -fast also implicitly calls out -O3
Enable hardware prefetching and adjacent cache line prefetch BIOS setting
Product description located at http://www.acer.com
```