



SPEC® CINT2006 Result

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Acer Incorporated

SPECint®_rate2006 = 39.2

Acer Altos R520 (Intel Xeon E5335, 2.0GHz)

SPECint_rate_base2006 = 36.5

CPU2006 license: 97

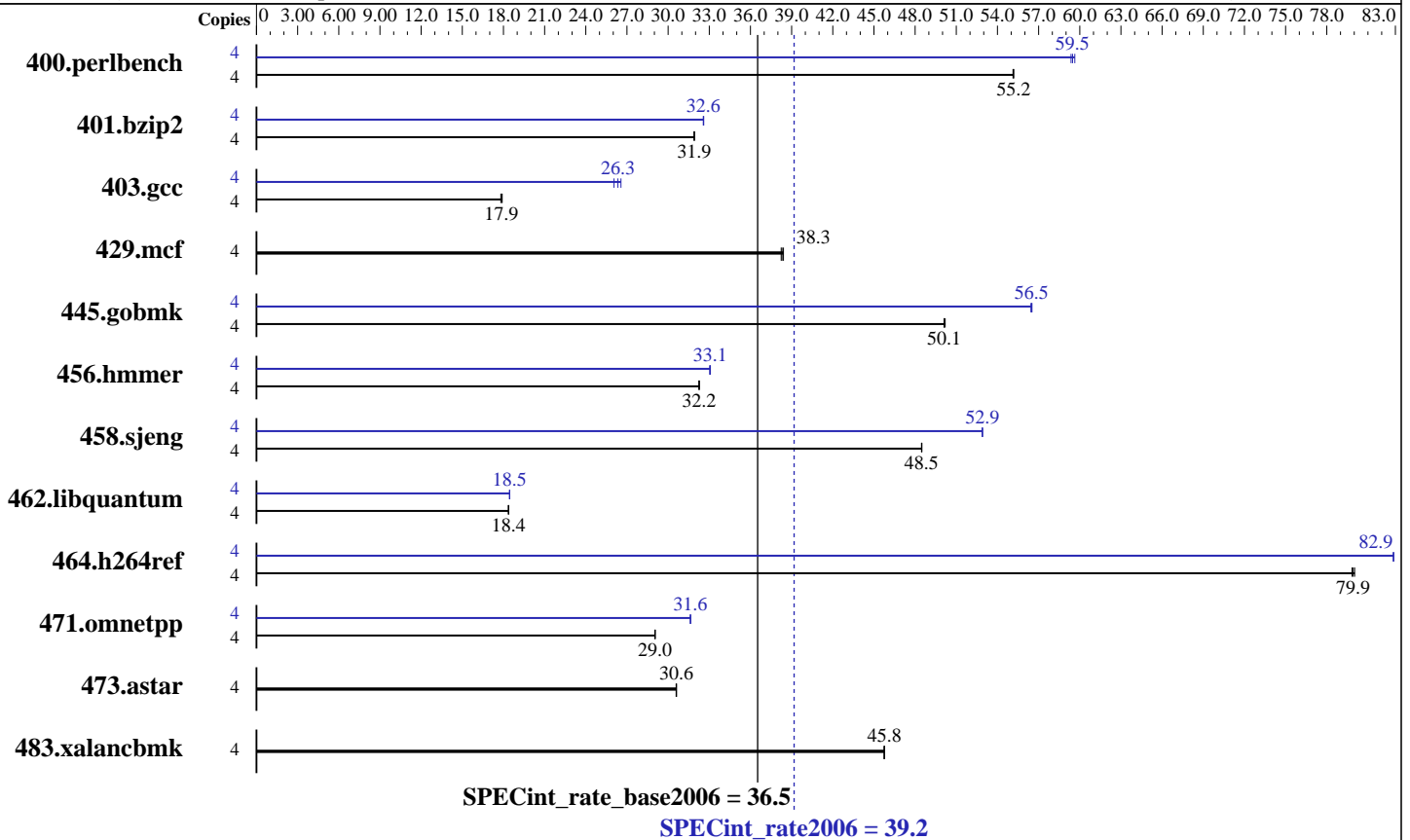
Test sponsor: Acer Incorporated

Tested by: Acer Incorporated

Test date: Mar-2007

Hardware Availability: Nov-2006

Software Availability: Jul-2006



Hardware

CPU Name: Intel Xeon E5335
 CPU Characteristics: 1333MHz system bus
 CPU MHz: 2000
 FPU: Integrated
 CPU(s) enabled: 4 cores, 1 chip, 4 cores/chip
 CPU(s) orderable: 1,2 chips
 Primary Cache: 32 KB I + 32 KB D on chip per core
 Secondary Cache: 8 MB I+D on chip per chip, 4 MB shared / 2 cores
 L3 Cache: None
 Other Cache: None
 Memory: 16 GB (8 x 2048MB ECC FB-DIMM DDR2-667 CL5-5-5)
 Disk Subsystem: 1 x 73GB 10000RPM SAS HDD
 Other Hardware: None

Software

Operating System: Microsoft Windows Server 2003 Enterprise x64 Edition (Build 3790), Service Pack 1
 Compiler: Intel C++ Compiler for IA32 version 9.1
 Package ID W_CC_C_9.1.028 Build 20060706Z
 Microsoft Visual Studio 2003 .Net (libr. & linker)
 Auto Parallel: No
 File System: NTFS
 System State: Default
 Base Pointers: 32-bit
 Peak Pointers: 32-bit
 Other Software: MicroQuill Smart Heap Library, Version 7.4



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Results Table

Benchmark	Base							Peak						
	Copies	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Copies	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio
400.perlbench	4	709	55.1	708	55.2	708	55.2	4	657	59.5	658	59.4	655	59.6
401.bzip2	4	1210	31.9	1209	31.9	1210	31.9	4	1185	32.6	1184	32.6	1185	32.6
403.gcc	4	1808	17.8	1798	17.9	1802	17.9	4	1212	26.6	1236	26.1	1223	26.3
429.mcf	4	950	38.4	954	38.2	952	38.3	4	950	38.4	954	38.2	952	38.3
445.gobmk	4	837	50.1	836	50.2	837	50.1	4	742	56.5	743	56.4	743	56.5
456.hammer	4	1156	32.3	1157	32.2	1157	32.2	4	1130	33.0	1129	33.1	1128	33.1
458.sjeng	4	999	48.5	998	48.5	998	48.5	4	915	52.9	915	52.9	915	52.9
462.libquantum	4	4510	18.4	4513	18.4	4514	18.4	4	4490	18.5	4491	18.5	4496	18.4
464.h264ref	4	1108	79.9	1106	80.0	1109	79.8	4	1068	82.9	1068	82.9	1068	82.9
471.omnetpp	4	861	29.0	861	29.0	860	29.1	4	790	31.6	790	31.6	791	31.6
473.astar	4	917	30.6	917	30.6	918	30.6	4	917	30.6	917	30.6	918	30.6
483.xalancbmk	4	603	45.8	603	45.8	604	45.7	4	603	45.8	603	45.8	604	45.7

Results appear in the order in which they were run. Bold underlined text indicates a median measurement.

General Notes

Disable hardware prefetching and disable adjacent cache line prefetch BIOS setting

This result was measured on the Acer Altos R520.
The Altos R720 and Altos R520 are electronically equivalent.

Base Compiler Invocation

C benchmarks:

icl -Qvc7.1 -Qc99

C++ benchmarks:

icl -Qvc7.1

Base Portability Flags

403.gcc: -DSPEC_CPU_WIN32
464.h264ref: -DSPEC_CPU_NO_INTTYPES -DWIN32



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Base Optimization Flags

C benchmarks:

`-fast /F512000000 shlw32m.lib -link /FORCE:MULTIPLE`

C++ benchmarks:

`-fast -Qcxx_features /F512000000 shlw32m.lib
-link /FORCE:MULTIPLE`

Base Other Flags

C benchmarks:

`403.gcc: -Dalloca=_alloca`

Peak Compiler Invocation

C benchmarks:

`icl -Qvc7.1 -Qc99`

C++ benchmarks:

`icl -Qvc7.1`

Peak Portability Flags

`403.gcc: -DSPEC_CPU_WIN32
464.h264ref: -DSPEC_CPU_NO_INTTYPES -DWIN32`

Peak Optimization Flags

C benchmarks:

`400.perlbench: -Qprof_gen(pass 1) -Qprof_use(pass 2) -fast /F512000000
shlw32m.lib -link /FORCE:MULTIPLE`

`401.bzip2: Same as 400.perlbench`

`403.gcc: -Qprof_gen(pass 1) -Qprof_use(pass 2) -fast /F512000000
-link /FORCE:MULTIPLE`

`429.mcf: basepeak = yes`

`445.gobmk: Same as 400.perlbench`

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Peak Optimization Flags (Continued)

456.hmmcr: Same as 400.perlbench

458.sjeng: Same as 400.perlbench

462.libquantum: Same as 400.perlbench

464.h264ref: Same as 400.perlbench

C++ benchmarks:

471.omnetpp: -Qprof_gen(pass 1) -Qprof_use(pass 2) -fast -Qcxx_features
/F512000000 shlw32m.lib -link /FORCE:MULTIPLE

473.astar: basepeak = yes

483.xalancbmk: basepeak = yes

Peak Other Flags

C benchmarks:

403.gcc: -Dalloca=_alloca

The flags file that was used to format this result can be browsed at

<http://www.spec.org/cpu2006/flags/Acer-CPU2006-ic91-flags.20090714.00.html>

You can also download the XML flags source by saving the following link:

<http://www.spec.org/cpu2006/flags/Acer-CPU2006-ic91-flags.20090714.00.xml>

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For other inquiries, please contact webmaster@spec.org.

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