



SPEC® CINT2006 Result

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Acer Incorporated

SPECint®_rate2006 = 45.0

Acer Altos R520 (Intel Xeon X5355, 2.66GHz)

SPECint_rate_base2006 = 43.5

CPU2006 license: 97

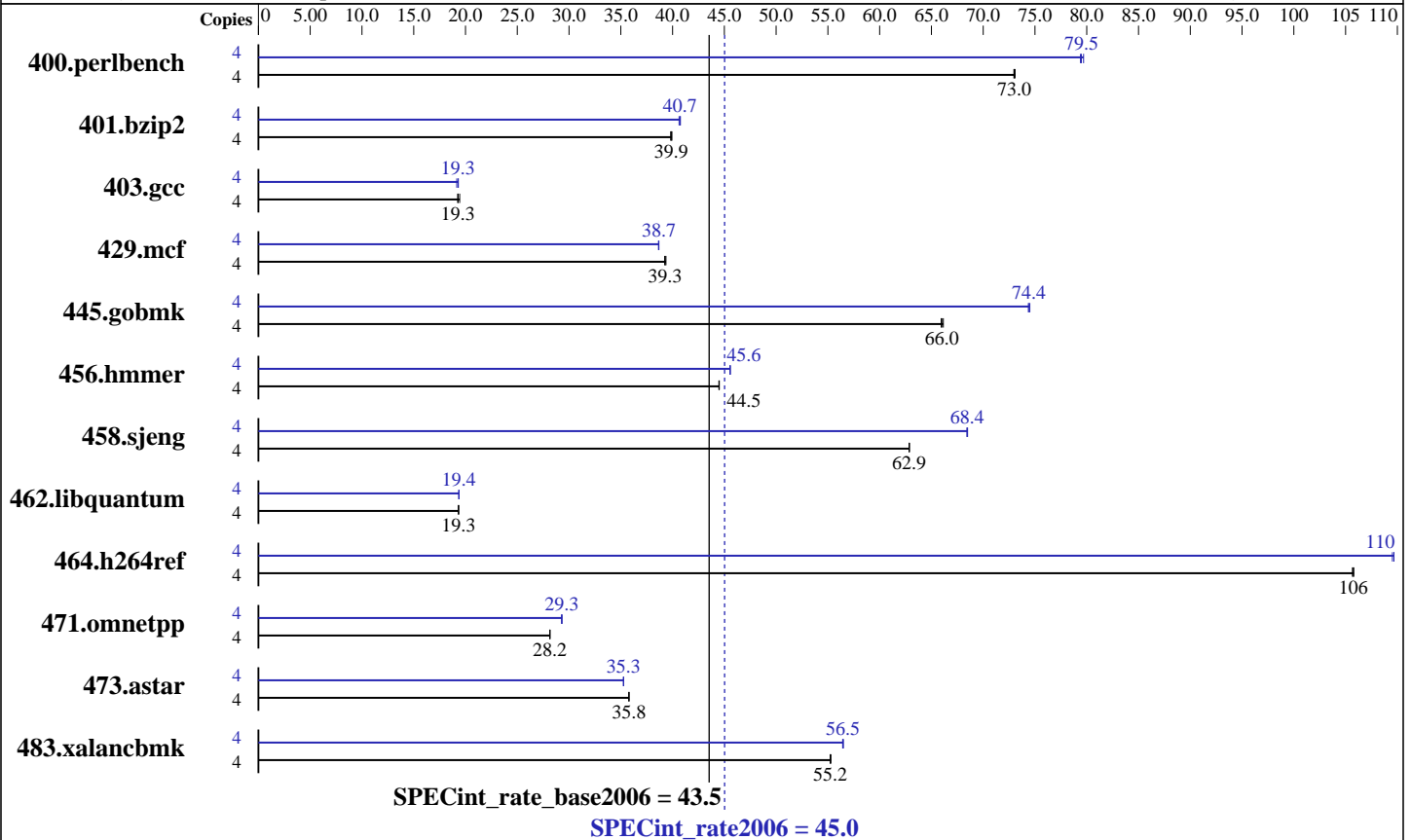
Test sponsor: Acer Incorporated

Tested by: Acer Incorporated

Test date: Jan-2007

Hardware Availability: Nov-2006

Software Availability: Nov-2006



Hardware

CPU Name: Intel Xeon X5355
 CPU Characteristics: 1333MHz system bus
 CPU MHz: 2666
 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 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	<u>535</u>	<u>73.0</u>	536	73.0	535	73.1	4	492	79.4	490	79.7	<u>492</u>	<u>79.5</u>
401.bzip2	4	970	39.8	<u>968</u>	<u>39.9</u>	967	39.9	4	950	40.6	<u>948</u>	<u>40.7</u>	947	40.8
403.gcc	4	<u>1670</u>	<u>19.3</u>	1657	19.4	1673	19.2	4	1668	19.3	1681	19.2	<u>1670</u>	<u>19.3</u>
429.mcf	4	<u>929</u>	<u>39.3</u>	930	39.2	927	39.4	4	944	38.6	943	38.7	<u>943</u>	<u>38.7</u>
445.gobmk	4	636	65.9	634	66.1	<u>636</u>	<u>66.0</u>	4	<u>564</u>	<u>74.4</u>	563	74.5	564	74.4
456.hammer	4	<u>839</u>	<u>44.5</u>	839	44.5	839	44.5	4	<u>819</u>	<u>45.6</u>	819	45.6	819	45.6
458.sjeng	4	770	62.9	770	62.8	<u>770</u>	<u>62.9</u>	4	707	68.4	707	68.5	<u>707</u>	<u>68.4</u>
462.libquantum	4	4288	19.3	<u>4288</u>	<u>19.3</u>	4289	19.3	4	4276	19.4	<u>4281</u>	<u>19.4</u>	4282	19.4
464.h264ref	4	<u>837</u>	<u>106</u>	837	106	838	106	4	808	110	807	110	<u>807</u>	<u>110</u>
471.omnetpp	4	888	28.2	<u>888</u>	<u>28.2</u>	888	28.1	4	853	29.3	<u>853</u>	<u>29.3</u>	854	29.3
473.astar	4	785	35.8	785	35.8	<u>785</u>	<u>35.8</u>	4	797	35.2	796	35.3	<u>796</u>	<u>35.3</u>
483.xalancbmk	4	500	55.2	499	55.3	<u>500</u>	<u>55.2</u>	4	489	56.4	489	56.5	<u>489</u>	<u>56.5</u>

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

General Notes

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:

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

C++ benchmarks:

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

Peak Other Flags

C benchmarks:

Continued on next page



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Peak Other Flags (Continued)

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.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.xml>

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

Tested with SPEC CPU2006 v1.0.
Report generated on Tue Jul 22 10:54:06 2014 by SPEC CPU2006 PS/PDF formatter v6932.
Originally published on 8 March 2007.