



SPEC® CINT2006 Result

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Acer Incorporated

SPECint®_rate2006 = 45.0

Acer Altos R720 (Intel Xeon X5355, 2.66GHz)

SPECint_rate_base2006 = 43.5

CPU2006 license: 97

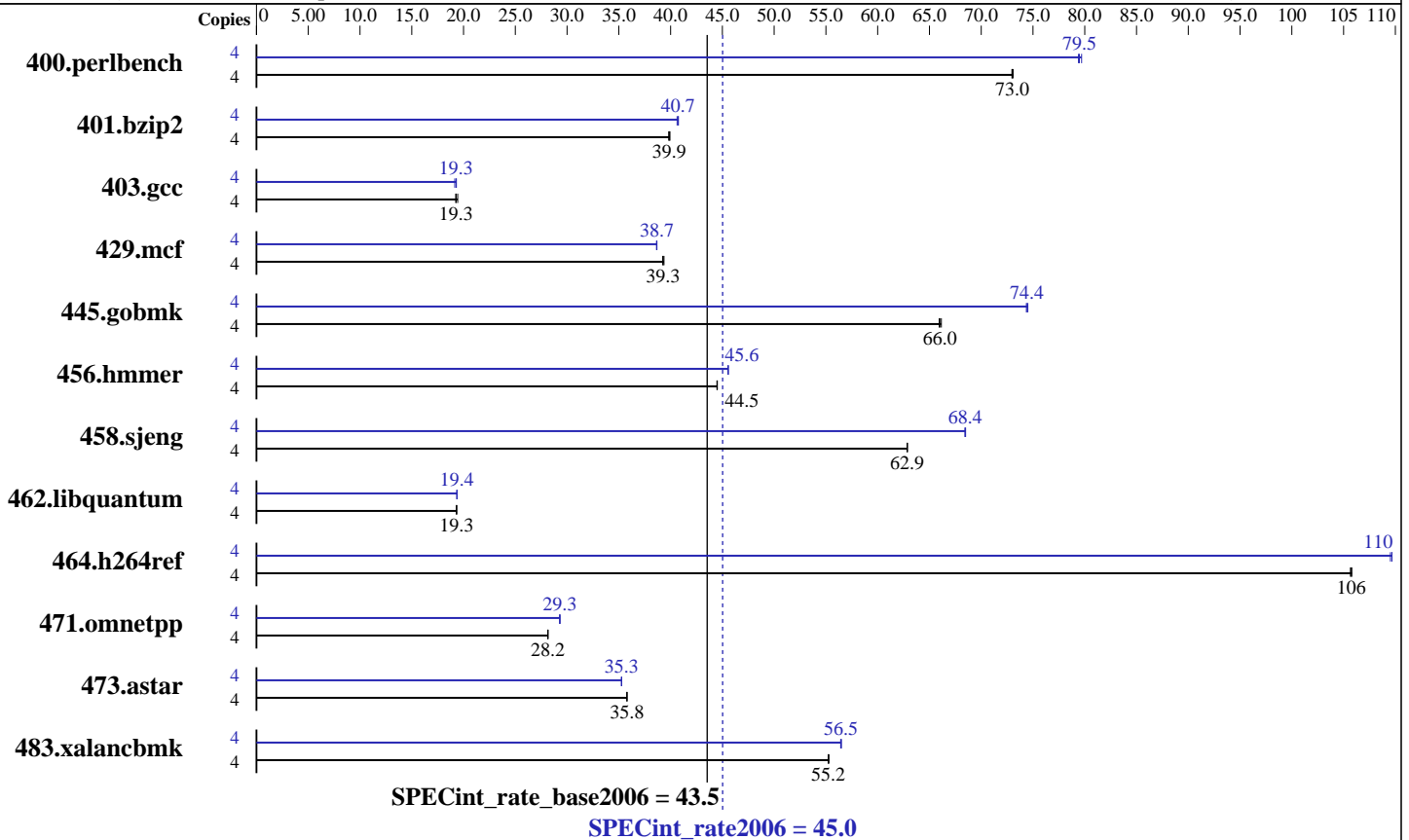
Test sponsor: Acer Incorporated

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.hmmr | 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.

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