



# SPEC® CINT2006 Result

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## Acer Incorporated

### SPECint®\_rate2006 = 80.5

### Acer Altos R720 (Intel Xeon X5355, 2.66GHz)

### SPECint\_rate\_base2006 = 77.8

CPU2006 license: 97

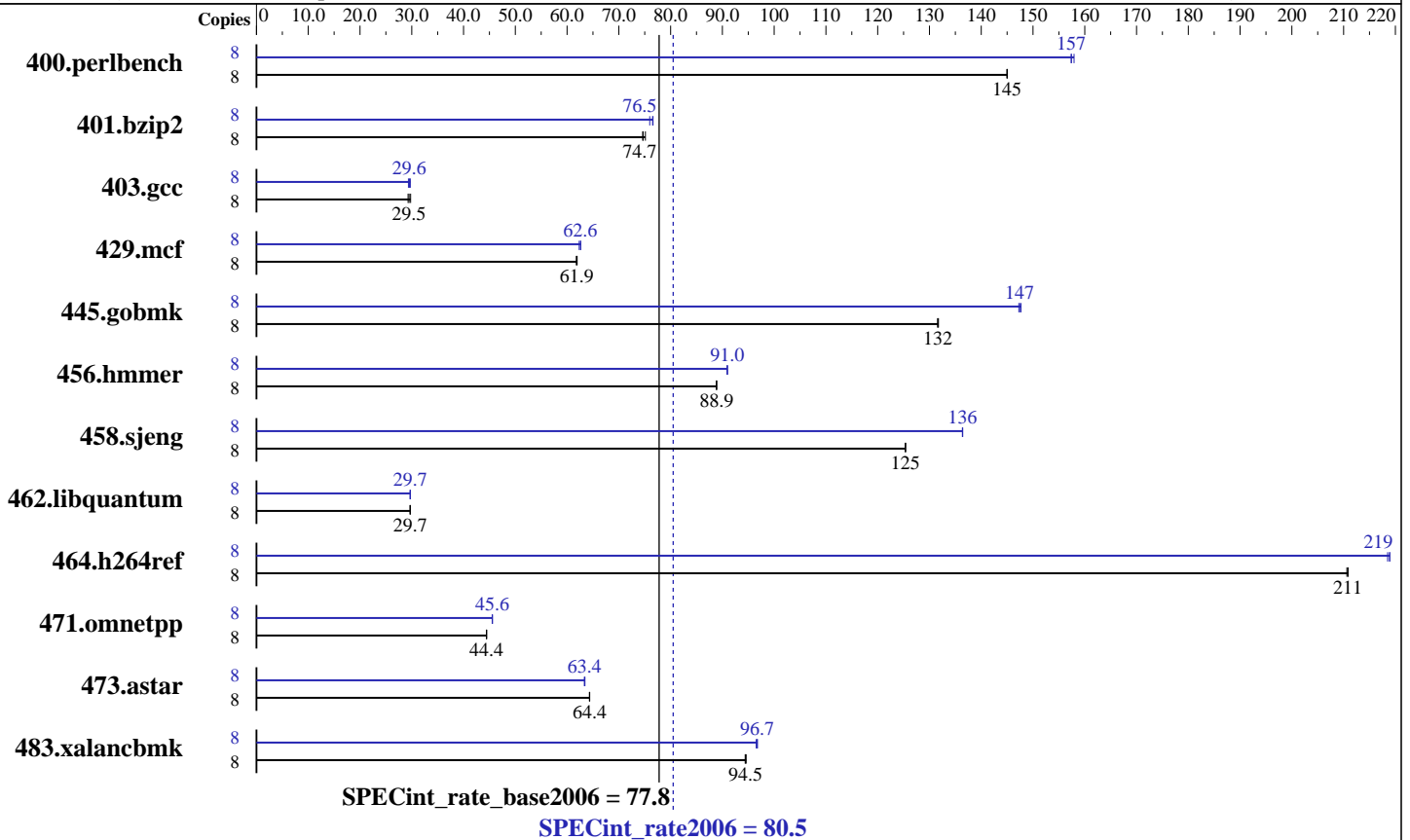
Test sponsor: Acer Incorporated

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: 8 cores, 2 chips, 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	8	539	145	<u>539</u>	<u>145</u>	539	145	8	497	157	495	158	<u>496</u>	<u>157</u>
401.bzip2	8	1035	74.6	1028	75.1	<u>1034</u>	<u>74.7</u>	8	1016	76.0	<u>1009</u>	<u>76.5</u>	1008	76.6
403.gcc	8	2199	29.3	<u>2184</u>	<u>29.5</u>	2163	29.8	8	<u>2179</u>	<u>29.6</u>	2167	29.7	2194	29.4
429.mcf	8	1178	61.9	1181	61.8	<u>1179</u>	<u>61.9</u>	8	1165	62.6	1170	62.3	<u>1166</u>	<u>62.6</u>
445.gobmk	8	638	132	<u>638</u>	<u>132</u>	637	132	8	570	147	568	148	<u>569</u>	<u>147</u>
456.hammer	8	840	88.9	<u>840</u>	<u>88.9</u>	840	88.9	8	820	91.0	821	90.9	<u>821</u>	<u>91.0</u>
458.sjeng	8	772	125	772	125	<u>772</u>	<u>125</u>	8	710	136	<u>710</u>	<u>136</u>	710	136
462.libquantum	8	<u>5582</u>	<u>29.7</u>	5578	29.7	5585	29.7	8	5578	29.7	<u>5579</u>	<u>29.7</u>	5583	29.7
464.h264ref	8	<u>840</u>	<u>211</u>	840	211	841	211	8	809	219	<u>809</u>	<u>219</u>	810	218
471.omnetpp	8	1125	44.5	<u>1125</u>	<u>44.4</u>	1126	44.4	8	1098	45.5	1097	45.6	<u>1097</u>	<u>45.6</u>
473.astar	8	872	64.4	873	64.3	<u>873</u>	<u>64.4</u>	8	887	63.3	<u>886</u>	<u>63.4</u>	885	63.4
483.xalancbmk	8	584	94.6	<u>584</u>	<u>94.5</u>	585	94.4	8	<u>571</u>	<u>96.7</u>	570	96.8	572	96.5

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](mailto:webmaster@spec.org).

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