



# SPEC® CINT2006 Result

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## Acer Incorporated

SPECint®\_rate2006 = 80.5

Acer Altos G540 (Intel Xeon X5355, 2.66GHz)

SPECint\_rate\_base2006 = 78.0

CPU2006 license: 97

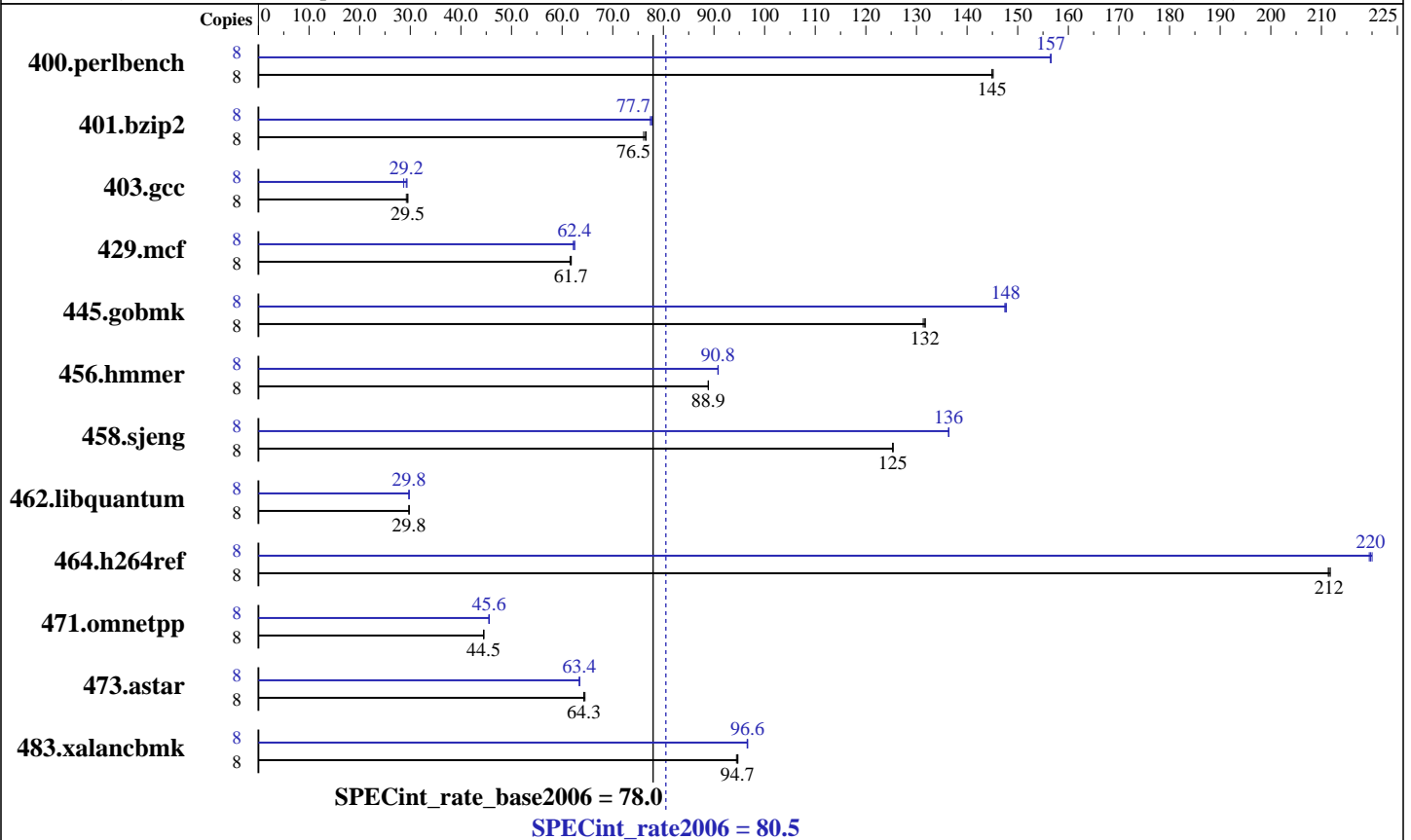
Test date: Feb-2007

Test sponsor: Acer Incorporated

Hardware Availability: Nov-2006

Tested by: Acer Incorporated

Software Availability: Jul-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>	538	145	8	499	156	499	157	<u>499</u>	<u>157</u>
401.bzip2	8	<u>1010</u>	<u>76.5</u>	1014	76.1	1008	76.6	8	994	77.7	<u>994</u>	<u>77.7</u>	997	77.4
403.gcc	8	2182	29.5	2204	29.2	<u>2183</u>	<u>29.5</u>	8	<u>2205</u>	<u>29.2</u>	2244	28.7	2193	29.4
429.mcf	8	<u>1182</u>	<u>61.7</u>	1180	61.8	1185	61.6	8	1168	62.5	1173	62.2	<u>1169</u>	<u>62.4</u>
445.gobmk	8	637	132	<u>637</u>	<u>132</u>	639	131	8	<u>568</u>	<u>148</u>	568	148	569	147
456.hammer	8	<u>840</u>	<u>88.9</u>	840	88.9	840	88.9	8	822	90.8	<u>822</u>	<u>90.8</u>	822	90.8
458.sjeng	8	<u>772</u>	<u>125</u>	772	125	773	125	8	710	136	<u>710</u>	<u>136</u>	710	136
462.libquantum	8	5567	29.8	<u>5571</u>	<u>29.8</u>	5572	29.7	8	5569	29.8	5572	29.7	<u>5570</u>	<u>29.8</u>
464.h264ref	8	<u>837</u>	<u>212</u>	836	212	838	211	8	805	220	807	219	<u>806</u>	<u>220</u>
471.omnetpp	8	<u>1124</u>	<u>44.5</u>	1124	44.5	1122	44.5	8	1098	45.5	1096	45.6	<u>1098</u>	<u>45.6</u>
473.astar	8	<u>873</u>	<u>64.3</u>	874	64.3	871	64.5	8	<u>886</u>	<u>63.4</u>	886	63.4	885	63.5
483.xalancbmk	8	584	94.4	583	94.7	<u>583</u>	<u>94.7</u>	8	571	96.7	<u>571</u>	<u>96.6</u>	572	96.6

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

## General Notes

## 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:

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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 questions about this result, please contact the tester.  
For other inquiries, please contact [webmaster@spec.org](mailto:webmaster@spec.org).

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