



# SPEC® CINT2006 Result

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## Acer Incorporated

### SPECint®\_rate2006 = 80.5

### Acer Altos R520 (Intel Xeon X5355, 2.66GHz)

### SPECint\_rate\_base2006 = 77.8

CPU2006 license: 97

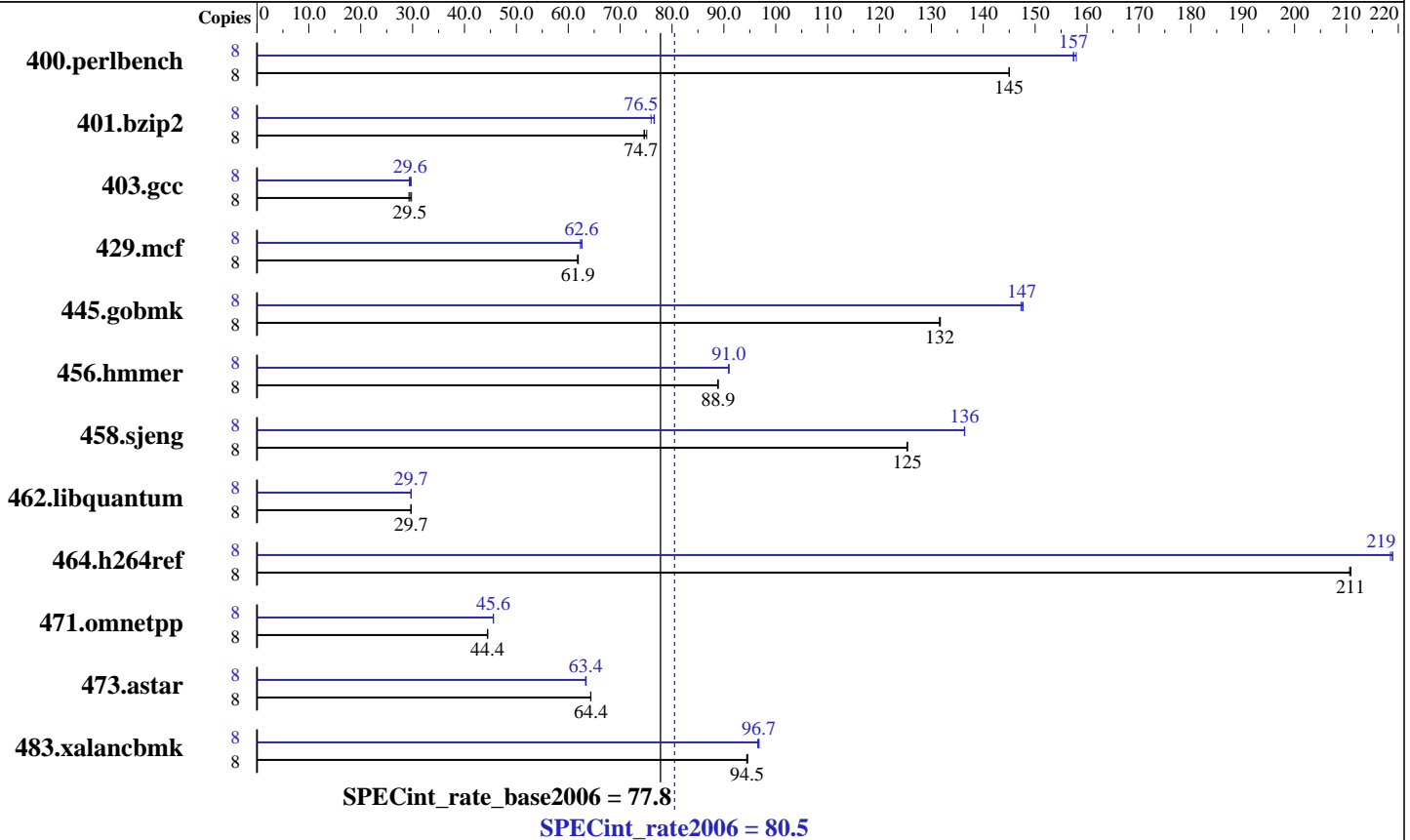
Test sponsor: Acer Incorporated

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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