Acer Incorporated

Acer Altos R520 (Intel Xeon E5335, 2.0GHz)

**SPECint**<sub>_rate2006_</sub> = 72.6

**SPECint_rate_base2006** = 67.7

<table>
<thead>
<tr>
<th>SPECint Benchmark</th>
<th>SPECint_rate2006</th>
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<td>400.perlbench</td>
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**CPU2006 license:** 97

**Test date:** Mar-2007

**Test sponsor:** Acer Incorporated

**Hardware Availability:** Nov-2006

**Tested by:** Acer Incorporated

**Software Availability:** Jul-2006

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**Hardware**

- **CPU Name:** Intel Xeon E5335
- **CPU Characteristics:** 1333MHz system bus
- **CPU MHz:** 2000
- **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 core, 4 MB shared / 2 cores
- **L3 Cache:** None
- **Other Cache:** None
- **Memory:** 16 GB (8 x 2048MB ECC FR-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 x64 Edition (Build 3790), Service Pack 1
- **Compiler:** Intel C++ Compiler for IA32 version 9.1
- **Auto Parallel:** No
- **System State:** Default
- **Base Pointers:** 32-bit
- **Peak Pointers:** 32-bit
- **Other Software:** MicroQuill Smart Heap Library, Version 7.4
Acer Incorporated

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CPU2006 license: 97
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SPECint_rate2006 = 72.6
SPECint_rate_base2006 = 67.7

Results Table

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

General Notes

Disable hardware prefetching and disable adjacent cache line prefetch BIOS setting

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
SPEC CINT2006 Result

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CPU\textsubscript{2006} license: 97
Test sponsor: Acer Incorporated
Tested by: Acer Incorporated
Test date: Mar-2007
Hardware Availability: Nov-2006
Software Availability: Jul-2006

Base Optimization Flags

C benchmarks:
-\texttt{-fast /F512000000 shlw32m.lib} \quad \texttt{-link /FORCE\textunderscore MULTIPLE}

C++ benchmarks:
-\texttt{-fast -Qcxx\_features /F512000000 shlw32m.lib}
-\texttt{-link /FORCE\textunderscore MULTIPLE}

Base Other Flags

C benchmarks:
\texttt{403.gcc: -Dalloca=_alloca}

Peak Compiler Invocation

C benchmarks:
\texttt{icl -Qvc7.1 -Qc99}

C++ benchmarks:
\texttt{icl -Qvc7.1}

Peak Portability Flags

\texttt{403.gcc: -DSPEC\_CPU\_WIN32}
\texttt{464.h264ref: -DSPEC\_CPU\_NO\_INTTYPES -DWIN32}

Peak Optimization Flags

C benchmarks:
\texttt{400.perlbench: -Qprof\_gen(pass 1) -Qprof\_use(pass 2) -fast /F512000000 shlw32m.lib}
\texttt{-link /FORCE\textunderscore MULTIPLE}

\texttt{401.bzip2: Same as 400.perlbench}

\texttt{403.gcc: -Qprof\_gen(pass 1) -Qprof\_use(pass 2) -fast /F512000000 -link /FORCE\textunderscore MULTIPLE}

\texttt{429.mcf: basepeak = yes}

\texttt{445.gobmk: Same as 400.perlbench}

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#### Peak Optimization Flags (Continued)

- 456.hmmer: Same as 400.perlbench
- 458.sjeng: Same as 400.perlbench
- 462.libquantum: Same as 400.perlbench
- 464.h264ref: Same as 400.perlbench

**C++ benchmarks:**

- 471.omnetpp: `-Qprof_gen(pass 1) -Qprof_use(pass 2) -fast -Qcxx_features /F512000000 shlw32m.lib -link /FORCE:MULTIPLE`
- 473.astar: `basepeak = yes`
- 483.xalancbmk: `basepeak = yes`

#### Peak Other Flags

**C benchmarks:**

- 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.20090714.00.html](http://www.spec.org/cpu2006/flags/Acer-CPU2006-ic91-flags.20090714.00.html)

You can also download the XML flags source by saving the following link: [http://www.spec.org/cpu2006/flags/Acer-CPU2006-ic91-flags.20090714.00.xml](http://www.spec.org/cpu2006/flags/Acer-CPU2006-ic91-flags.20090714.00.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 12:07:08 2014 by SPEC CPU2006 PS/PDF formatter v6932.  