Acer Incorporated

Acer Altos R720 (Intel Xeon X5355)

SPECint\_rate2006 = 98.3
SPECint\_rate_base2006 = 91.1

CPU2006 license: 97
Test date: Jun-2007
Test sponsor: Acer Incorporated
Hardware Availability: Nov-2006
Tested by: Acer Incorporated
Software Availability: Jun-2007

CPU Name: Intel Xeon X5355
CPU Characteristics: 1333MHz system bus
CPU MHz: 2660
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

Operating System: SuSE Linux Enterprise Server 10 EM64T (kernel 2.6.16.16-0.8-smp)
Compiler: Intel C++ Compiler for Linux32 and Linux64 version 10.0 Build 20070426 Package ID: l_cc_p_10.0.023
Auto Parallel: No
File System: ReiserFS
System State: Default
Base Pointers: 32-bit
Peak Pointers: 32/64-bit
Other Software: MicroQuill SmartHeap Library 8.1
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Results Table

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</table>

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.

BIOS settings
Hardware Prefetch is set to disabled
Adjacent Cache Line Prefetch is set to disabled
taskset was used to bind copies to cores

Base Compiler Invocation

C benchmarks: icc
C++ benchmarks: icpc

Base Portability Flags

400.perlbench: -DSPEC_CPU_LINUX_IA32
462.libquantum: -DSPEC_CPU_LINUX
483.xalancbmk: -DSPEC_CPU_LINUX
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Base Optimization Flags

C benchmarks:
- -fast

C++ benchmarks:
- -xT -ipo -O3 -no-prec-div -Wl,-z,muldefs
- L/spec/cpu2006.1.0/lib -lsmartheap

Base Other Flags

C benchmarks:
  403.gcc: -Dalloca=_alloca

Peak Compiler Invocation

C benchmarks (except as noted below):
  icc
  401.bzip2: /opt/intel/cce/10.0.023/bin/icc
  -L/opt/intel/cce/10.0.023/lib
  -I/opt/intel/cce/10.0.023/include

  456.hmmer: /opt/intel/cce/10.0.023/bin/icc
  -L/opt/intel/cce/10.0.023/lib
  -I/opt/intel/cce/10.0.023/include

C++ benchmarks:
  icpc

Peak Portability Flags

  400.perlbench: -DSPEC_CPU_LINUX_IA32
  401.bzip2: -DSPEC_CPU_LP64
  456.hmmer: -DSPEC_CPU_LP64
  462.libquantum: -DSPEC_CPU_LINUX
  483.xalancbmk: -DSPEC_CPU_LINUX

Peak Optimization Flags

C benchmarks:

Continued on next page
### SPEC CINT2006 Result

Acer Incorporated  
Acer Altos R720 (Intel Xeon X5355)  

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**Test date:** Jun-2007  
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**Tested by:** Acer Incorporated  
**Hardware Availability:** Nov-2006  
**Software Availability:** Jun-2007

#### Peak Optimization Flags (Continued)

- **400.perlbench:**
  -prof-gen(pass 1)  
  -prof-use(pass 2)  
  -fast  
  -ansi-alias  
  -prefetch

- **401.bzip2:**
  -prof-gen(pass 1)  
  -prof-use(pass 2)  
  -fast

- **403.gcc:**
  basepeak = yes

- **429.mcf:**
  -fast  
  -prefetch

- **445.gobmk:**
  -prof-gen(pass 1)  
  -prof-use(pass 2)  
  -xT  
  -O2  
  -ipo  
  -no-prec_div  
  -ansi-alias

- **456.hmmer:**
  -prof-gen(pass 1)  
  -prof-use(pass 2)  
  -fast  
  -unroll2  
  -ansi-alias

- **458.sjeng:**
  -prof-gen(pass 1)  
  -prof-use(pass 2)  
  -fast  
  -unroll4

- **462.libquantum:**
  -prof-gen(pass 1)  
  -prof-use(pass 2)  
  -fast  
  -unroll4  
  -Opt0  
  -prefetch  
  -opt-streaming-stores always

- **464.h264ref:** Same as 456.hmmer

**C++ benchmarks:**

- **471.omnetpp:**
  -prof-gen(pass 1)  
  -prof-use(pass 2)  
  -xT  
  -O3  
  -ipo  
  -no-prec_div  
  -ansi-alias  
  -Wl,-z,muldefs  
  -L/spec/cpu2006.1.0/lib -lsmartheap

- **473.astar:** Same as 471.omnetpp

- **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/Intel-ic10-ia32-intel64-linux-flags.20090714.41.html

You can also download the XML flags source by saving the following link:  
http://www.spec.org/cpu2006/flags/Intel-ic10-ia32-intel64-linux-flags.20090714.41.xml
# SPEC CINT2006 Result

## Acer Incorporated

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For questions about this result, please contact the tester.

For other inquiries, please contact webmaster@spec.org.

Tested with SPEC CPU2006 v1.0.


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