# SPEC® CINT2006 Result



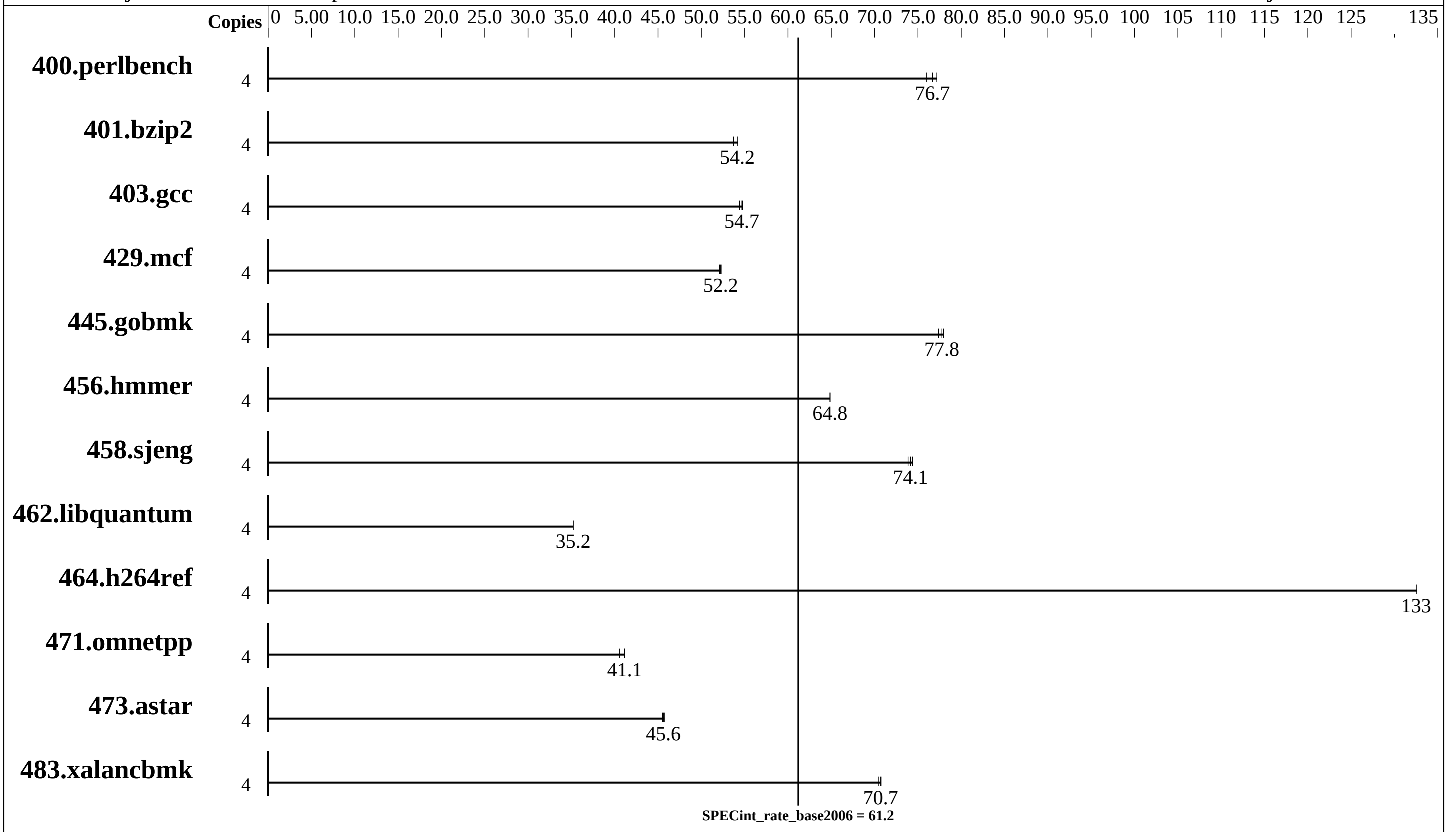
## Acer Incorporated

## Acer Altos R520 (Intel Xeon X5460)

SPECint®_rate2006 = Not Run

SPECint_rate_base2006 = 61.2

| | | | |
|---|---|---|---|
| **CPU2006 license:** 97 | | **Test date:** | Mar-2008 |
| **Test sponsor:** | Acer Incorporated | **Hardware Availability:** | Nov-2007 |
| **Tested by:** | Acer Incorporated | **Software Availability:** | Nov-2007 |




### Hardware

| | |
|---|---|
| CPU Name: | Intel Xeon X5460 |
| CPU Characteristics: | 1333MHz system bus |
| CPU MHz: | 3160 |
| FPU: | Integrated |
| CPU(s) enabled: | 4 cores, 1 chip, 4 cores/chip |
| CPU(s) orderable: | 1, 2 chips |
| Primary Cache: | 32 KB I + 32 KB D on chip per core |
| Secondary Cache: | 12 MB I+D on chip per chip, 6 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 10K RPM SAS HDD |
| Other Hardware: | None |

### Software

| | |
|---|---|
| Operating System: | SuSE Linux Enterprise Server 10 SP1 (x86_64) Kernel 2.6.16.46-0.12-smp |
| Compiler: | Intel C++ Compiler 10.1 for Linux Build 20070913 Package ID: l_cc_p_10.1.008 |
| Auto Parallel: | Yes |
| File System: | ReiserFS |
| System State: | Multi-user, level 3 |
| Base Pointers: | 32-bit |
| Peak Pointers: | Not Applicable |
| Other Software: | Microquill SmartHeap V8.1 Binutils 2.17.50.0.15 |

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## Results Table

| | Base | | | | | | | Peak | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Benchmark** | **Copies** | **Seconds** | **Ratio** | **Seconds** | **Ratio** | **Seconds** | **Ratio** | **Copies** | **Seconds** | **Ratio** | **Seconds** | **Ratio** | **Seconds** | **Ratio** |
| 400.perlbench | 4 | 514 | 76.0 | 506 | 77.2 | **510** | **76.7** | | | | | | | |
| 401.bzip2 | 4 | 712 | 54.2 | 719 | 53.7 | **713** | **54.2** | | | | | | | |
| 403.gcc | 4 | 588 | 54.7 | 592 | 54.4 | **589** | **54.7** | | | | | | | |
| 429.mcf | 4 | 698 | 52.3 | 700 | 52.1 | **699** | **52.2** | | | | | | | |
| 445.gobmk | 4 | 542 | 77.4 | 538 | 77.9 | **540** | **77.8** | | | | | | | |
| 456.hmmer | 4 | 575 | 64.9 | **576** | **64.8** | 576 | 64.8 | | | | | | | |
| 458.sjeng | 4 | 651 | 74.4 | 655 | 73.9 | **653** | **74.1** | | | | | | | |
| 462.libquantum | 4 | 2354 | 35.2 | 2354 | 35.2 | **2354** | **35.2** | | | | | | | |
| 464.h264ref | 4 | **668** | **133** | 668 | 133 | 668 | 132 | | | | | | | |
| 471.omnetpp | 4 | **608** | **41.1** | 608 | 41.2 | 616 | 40.6 | | | | | | | |
| 473.astar | 4 | 617 | 45.5 | **615** | **45.6** | 614 | 45.7 | | | | | | | |
| 483.xalancbmk | 4 | **390** | **70.7** | 390 | 70.7 | 392 | 70.5 | | | | | | | |

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.

All benchmarks compiled in 32-bit mode except 401.bzip2 and 456.hmmer,
for peak, are compiled in 64-bit mode
BIOS Settings
  Hardware Prefetcher set to OFF

  Adjacent Cache Line Prefetch set to OFF

All results but peak 462.libquantum used taskset to bind
processes to cores.
"ulimit -s unlimited" was set for stacksize unlimited
OMP_NUM_THREADS set to number of cores
```

## Base Compiler Invocation

C benchmarks:
    icc

C++ benchmarks:
    icpc

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## Base Portability Flags

400.perlbench: -DSPEC_CPU_LINUX_IA32
462.libquantum: -DSPEC_CPU_LINUX
483.xalancbmk: -DSPEC_CPU_LINUX

## Base Optimization Flags

C benchmarks:
-fast -inline-calloc -opt-malloc-options=3

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

## Base 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-ic10.1-int-linux64-revC.20090713.html

You can also download the XML flags source by saving the following link:
http://www.spec.org/cpu2006/flags/Intel-ic10.1-int-linux64-revC.20090713.xml



For questions about this result, please contact the tester.
For other inquiries, please contact webmaster@spec.org.

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