



SPEC® CINT2006 Result

Copyright 2006-2014 Standard Performance Evaluation Corporation

Acer Incorporated

SPECint®_rate2006 = 74.1

Acer Altos R520 (Intel Xeon E5320)

SPECint_rate_base2006 = 68.4

CPU2006 license: 97

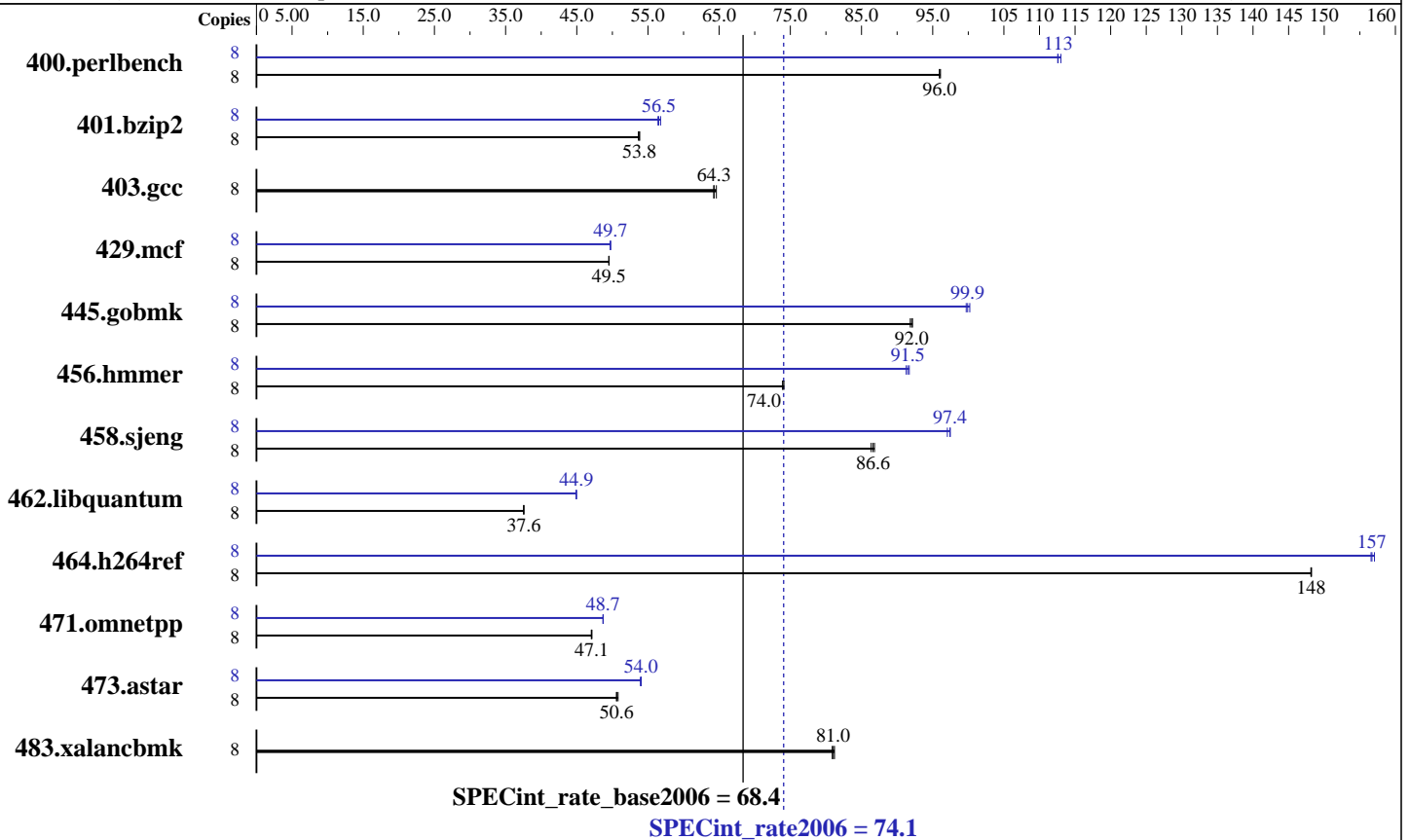
Test sponsor: Acer Incorporated

Tested by: Acer Incorporated

Test date: Aug-2007

Hardware Availability: Nov-2006

Software Availability: Jun-2007



Hardware

CPU Name: Intel Xeon E5320
 CPU Characteristics: 1066MHz system bus
 CPU MHz: 1860
 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: SuSE Linux Enterprise Server 10 EM64T (kernel 2.6.16.21-0.8-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



SPEC CINT2006 Result

Copyright 2006-2014 Standard Performance Evaluation Corporation

Acer Incorporated

SPECint_rate2006 = 74.1

Acer Altos R520 (Intel Xeon E5320)

SPECint_rate_base2006 = 68.4

CPU2006 license: 97

Test sponsor: Acer Incorporated

Tested by: Acer Incorporated

Test date: Aug-2007

Hardware Availability: Nov-2006

Software Availability: Jun-2007

Results Table

Benchmark	Base						Peak							
	Copies	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Copies	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio
400.perlbench	8	813	96.1	814	96.0	815	95.9	8	692	113	694	113	694	113
401.bzip2	8	1439	53.7	1434	53.8	1435	53.8	8	1360	56.8	1366	56.5	1369	56.4
403.gcc	8	1003	64.2	997	64.6	1002	64.3	8	1003	64.2	997	64.6	1002	64.3
429.mcf	8	1474	49.5	1473	49.5	1474	49.5	8	1467	49.7	1466	49.8	1468	49.7
445.gobmk	8	911	92.2	912	92.0	914	91.8	8	840	99.9	837	100	842	99.7
456.hammer	8	1009	74.0	1010	73.9	1007	74.1	8	816	91.5	814	91.7	818	91.3
458.sjeng	8	1115	86.8	1121	86.4	1118	86.6	8	997	97.1	993	97.5	994	97.4
462.libquantum	8	4414	37.5	4413	37.6	4414	37.6	8	3689	44.9	3692	44.9	3686	45.0
464.h264ref	8	1195	148	1195	148	1194	148	8	1130	157	1131	157	1127	157
471.omnetpp	8	1061	47.1	1063	47.0	1062	47.1	8	1027	48.7	1027	48.7	1027	48.7
473.astar	8	1105	50.8	1111	50.6	1109	50.6	8	1041	53.9	1039	54.0	1039	54.1
483.xalanbmk	8	680	81.2	682	80.9	681	81.0	8	680	81.2	682	80.9	681	81.0

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 processes 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.xalanbmk: -DSPEC_CPU_LINUX



SPEC CINT2006 Result

Copyright 2006-2014 Standard Performance Evaluation Corporation

Acer Incorporated

SPECint_rate2006 = 74.1

Acer Altos R520 (Intel Xeon E5320)

SPECint_rate_base2006 = 68.4

CPU2006 license: 97

Test sponsor: Acer Incorporated

Tested by: Acer Incorporated

Test date: Aug-2007

Hardware Availability: Nov-2006

Software Availability: Jun-2007

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

Copyright 2006-2014 Standard Performance Evaluation Corporation

Acer Incorporated

SPECint_rate2006 = 74.1

Acer Altos R520 (Intel Xeon E5320)

SPECint_rate_base2006 = 68.4

CPU2006 license: 97

Test sponsor: Acer Incorporated

Tested by: Acer Incorporated

Test date: Aug-2007

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 -Ob0
-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.20090714.16.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.20090714.16.xml>



SPEC CINT2006 Result

Copyright 2006-2014 Standard Performance Evaluation Corporation

Acer Incorporated

SPECint_rate2006 = 74.1

Acer Altos R520 (Intel Xeon E5320)

SPECint_rate_base2006 = 68.4

CPU2006 license: 97

Test sponsor: Acer Incorporated

Tested by: Acer Incorporated

Test date: Aug-2007

Hardware Availability: Nov-2006

Software Availability: Jun-2007

SPEC and SPECint are registered trademarks of the Standard Performance Evaluation Corporation. All other brand and product names appearing in this result are trademarks or registered trademarks of their respective holders.

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

Tested with SPEC CPU2006 v1.0.
Report generated on Tue Jul 22 13:31:02 2014 by SPEC CPU2006 PS/PDF formatter v6932.
Originally published on 19 September 2007.