



SPEC® CINT2006 Result

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ACTION S.A.

ACTINA SOLAR 672 X2 (Intel Xeon processor E5320, 1.86GHz)

SPECint®_rate2006 = 60.9

SPECint_rate_base2006 = 56.1

CPU2006 license: 3388

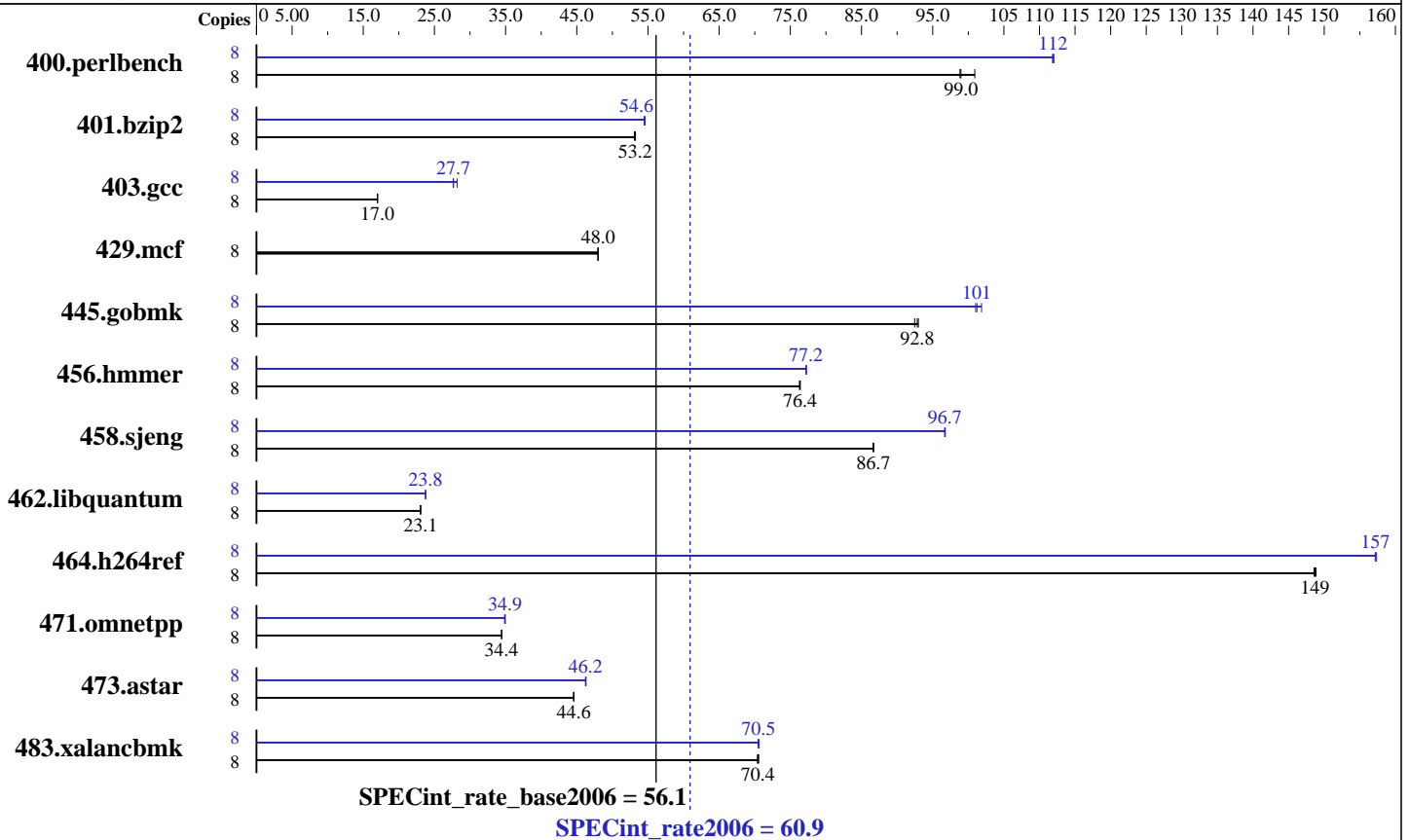
Test sponsor: ACTION S.A.

Tested by: ACTION S.A.

Test date: Sep-2007

Hardware Availability: Aug-2007

Software Availability: Jun-2007



Hardware

CPU Name: Intel Xeon E5320
 CPU Characteristics: 1066 MHz 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: 8 GB (4 x 2 GB 667MHz CL5 DDR2 FB-DIMM SDRAM)
 Disk Subsystem: ST936701SS 36GB SAS 10Krpm
 Other Hardware: None

Software

Operating System: Windows 2003 Server Enterprise Edition Service Pack 1
 Compiler: Intel C++ Compiler for IA32 version 10.0
 Build 20070426 Package ID: W_CC_P_10.0.025
 Microsoft Visual Studio .Net 2003 (for libraries)
 Auto Parallel: No
 File System: NTFS
 System State: Default
 Base Pointers: 32-bit
 Peak Pointers: 32-bit
 Other Software: SmartHeap Library Version 8.0



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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	775	101	791	98.8	790	99.0	8	698	112	699	112	698	112
401.bzip2	8	1454	53.1	1451	53.2	1450	53.2	8	1414	54.6	1418	54.5	1415	54.6
403.gcc	8	3784	17.0	3786	17.0	3792	17.0	8	2284	28.2	2331	27.6	2326	27.7
429.mcf	8	1520	48.0	1521	48.0	1520	48.0	8	1520	48.0	1521	48.0	1520	48.0
445.gobmk	8	903	93.0	904	92.8	908	92.5	8	831	101	824	102	829	101
456.hammer	8	979	76.3	977	76.4	977	76.4	8	967	77.2	966	77.3	967	77.2
458.sjeng	8	1117	86.7	1117	86.7	1117	86.6	8	1000	96.8	1001	96.7	1001	96.7
462.libquantum	8	7189	23.1	7190	23.1	7189	23.1	8	6976	23.8	6976	23.8	6979	23.8
464.h264ref	8	1189	149	1192	149	1191	149	8	1126	157	1125	157	1126	157
471.omnetpp	8	1452	34.4	1451	34.5	1452	34.4	8	1435	34.9	1431	34.9	1431	34.9
473.astar	8	1260	44.6	1261	44.5	1259	44.6	8	1215	46.2	1213	46.3	1215	46.2
483.xalancbmk	8	784	70.4	782	70.6	784	70.4	8	783	70.5	783	70.5	782	70.6

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

General Notes

Product description located as of 8/2007:

<http://www.actina.pl>

Binaries were built on Windows XP Professional SP2

Start command was used to bind processes to CPUs

Compiler Invocation

C benchmarks:

```
icl -Qvc7.1 -Qc99
```

C++ benchmarks:

```
icl -Qvc7.1
```

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

Peak Optimization Flags

C benchmarks:

400.perlbench: -Qprof_gen(pass 1) -Qprof_use(pass 2) -fast -Qansi-alias
-Qprefetch /F512000000 shlw32m.lib
-link /FORCE:MULTIPLE

401.bzip2: -Qprof_gen(pass 1) -Qprof_use(pass 2) -fast /F512000000
shlw32m.lib -link /FORCE:MULTIPLE

403.gcc: -Qprof_gen(pass 1) -Qprof_use(pass 2) -fast /F512000000
-link /FORCE:MULTIPLE

429.mcf: basepeak = yes

445.gobmk: -Qprof_gen(pass 1) -Qprof_use(pass 2) -QxT -O2 -Qipo
-Qprec_div- -Qansi-alias /F512000000
-link /FORCE:MULTIPLE

456.hmmer: -Qprof_gen(pass 1) -Qprof_use(pass 2) -fast -Qunroll2
-Qansi-alias /F512000000 shlw32m.lib
-link /FORCE:MULTIPLE

458.sjeng: -Qprof_gen(pass 1) -Qprof_use(pass 2) -fast -Qunroll4
/F512000000 shlw32m.lib -link /FORCE:MULTIPLE

462.libquantum: -Qprof_gen(pass 1) -Qprof_use(pass 2) -fast -Qunroll4
-Ob0 -Qprefetch -Qopt-streaming-stores:always /F512000000
shlw32m.lib -link /FORCE:MULTIPLE

464.h264ref: Same as 456.hmmer

C++ benchmarks:

-Qprof_gen(pass 1) -Qprof_use(pass 2) -fast -Qansi-alias
-Qcxx_features /F512000000 shlw32m.lib
-link /FORCE:MULTIPLE



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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/Dell-Intel-ic10-ia32.html>

You can also download the XML flags source by saving the following link:

<http://www.spec.org/cpu2006/flags/Dell-Intel-ic10-ia32.xml>

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

Tested with SPEC CPU2006 v1.0.1.

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