



SPEC® CINT2006 Result

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ACTION S.A.

SPECint®_rate2006 = 59.2

ACTINA SOLAR 202 X2 (Intel Xeon processor E5310, 1.60GHz)

SPECint_rate_base2006 = 54.7

CPU2006 license: 3388

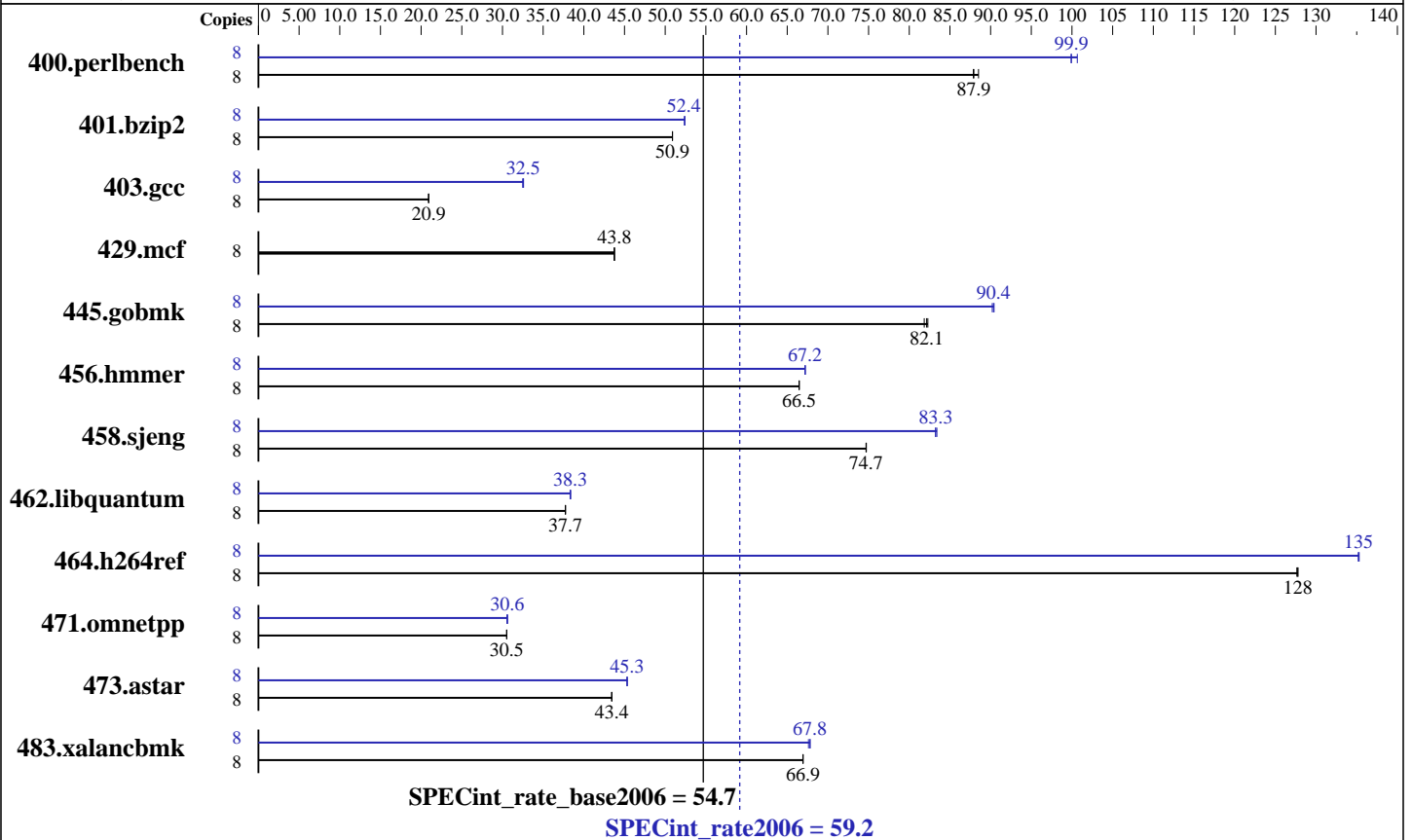
Test date: Aug-2007

Test sponsor: ACTION S.A.

Hardware Availability: Jun-2007

Tested by: ACTION S.A.

Software Availability: Jun-2007



Hardware

CPU Name: Intel Xeon E5310
 CPU Characteristics: 1066 MHz system bus
 CPU MHz: 1600
 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 2 GB 667MHz CL5 DDR2 FB-DIMM SDRAM)
 Disk Subsystem: 80 GB SATA, 7200 RPM
 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	889	87.9	883	88.5	889	87.9	8	782	99.9	777	101	782	99.9
401.bzip2	8	1517	50.9	1517	50.9	1517	50.9	8	1474	52.4	1474	52.4	1473	52.4
403.gcc	8	3078	20.9	3078	20.9	3076	20.9	8	1976	32.6	1979	32.5	1982	32.5
429.mcf	8	1667	43.8	1667	43.8	1668	43.7	8	1667	43.8	1667	43.8	1668	43.7
445.gobmk	8	1022	82.1	1025	81.8	1020	82.3	8	930	90.2	928	90.4	929	90.4
456.hammer	8	1123	66.5	1123	66.5	1123	66.5	8	1111	67.2	1111	67.2	1111	67.2
458.sjeng	8	1296	74.7	1295	74.7	1296	74.7	8	1163	83.3	1161	83.4	1163	83.2
462.libquantum	8	4393	37.7	4392	37.7	4393	37.7	8	4326	38.3	4318	38.4	4323	38.3
464.h264ref	8	1386	128	1387	128	1386	128	8	1308	135	1309	135	1309	135
471.omnetpp	8	1638	30.5	1639	30.5	1638	30.5	8	1633	30.6	1633	30.6	1637	30.5
473.astar	8	1293	43.4	1293	43.4	1293	43.4	8	1240	45.3	1239	45.3	1239	45.3
483.xalancbmk	8	825	66.9	825	66.9	824	67.0	8	814	67.8	814	67.8	816	67.6

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.

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