



SPEC® CINT2006 Result

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ACTION S.A.

ACTINA SOLAR 672 X2 (Intel Xeon processor 5110, 1.60GHz)

SPECint®_rate2006 = 35.7

SPECint_rate_base2006 = 32.6

CPU2006 license: 3388

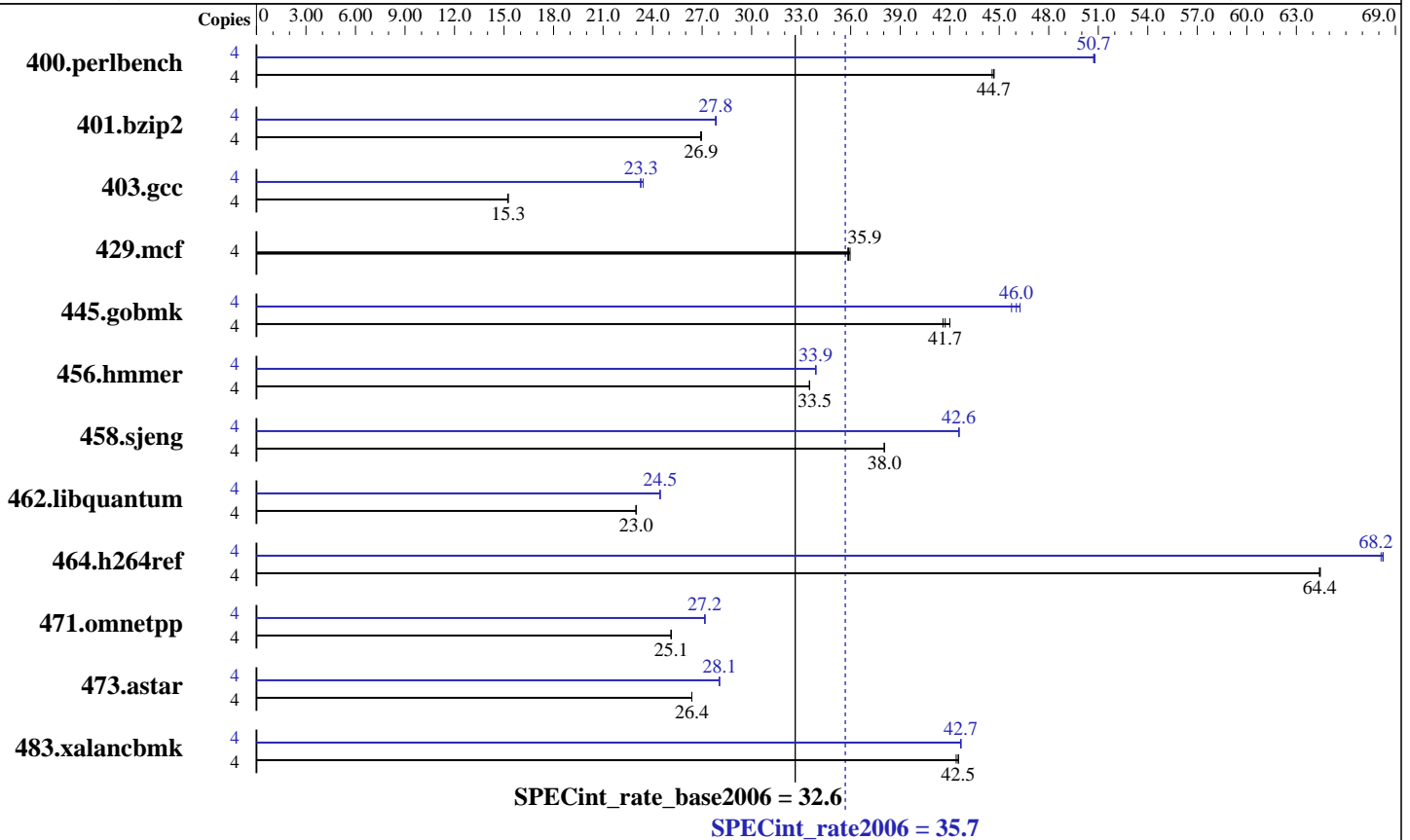
Test sponsor: ACTION S.A.

Tested by: ACTION S.A.

Test date: Aug-2007

Hardware Availability: Aug-2006

Software Availability: Jun-2007



Hardware

CPU Name: Intel Xeon 5110
 CPU Characteristics: 1066 MHz system bus
 CPU MHz: 1600
 FPU: Integrated
 CPU(s) enabled: 4 cores, 2 chips, 2 cores/chip
 CPU(s) orderable: 1,2 chips
 Primary Cache: 32 KB I + 32 KB D on chip per core
 Secondary Cache: 4 MB I+D on chip per chip
 L3 Cache: None
 Other Cache: None
 Memory: 8 GB (4 x 2 GB 667MHz CL5 DDR2 FB-DIMM SDRAM)
 Disk Subsystem: ST936701SS 36GB 10K SAS
 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	4	877	44.6	875	44.7	875	44.7	4	769	50.8	770	50.7	770	50.7
401.bzip2	4	1433	26.9	1432	27.0	1434	26.9	4	1387	27.8	1386	27.9	1388	27.8
403.gcc	4	2111	15.3	2116	15.2	2111	15.3	4	1374	23.4	1382	23.3	1384	23.3
429.mcf	4	1017	35.9	1014	36.0	1018	35.8	4	1017	35.9	1014	36.0	1018	35.8
445.gobmk	4	1006	41.7	999	42.0	1009	41.6	4	907	46.3	912	46.0	917	45.7
456.hammer	4	1114	33.5	1114	33.5	1114	33.5	4	1101	33.9	1101	33.9	1101	33.9
458.sjeng	4	1273	38.0	1272	38.1	1272	38.0	4	1137	42.6	1137	42.6	1137	42.6
462.libquantum	4	3603	23.0	3604	23.0	3604	23.0	4	3389	24.5	3389	24.5	3389	24.5
464.h264ref	4	1374	64.4	1374	64.4	1373	64.5	4	1297	68.2	1299	68.1	1297	68.3
471.omnetpp	4	995	25.1	995	25.1	996	25.1	4	921	27.2	920	27.2	920	27.2
473.astar	4	1065	26.4	1065	26.4	1065	26.4	4	1001	28.1	1002	28.0	1001	28.1
483.xalancbmk	4	651	42.4	649	42.5	649	42.5	4	647	42.7	647	42.7	647	42.7

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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