



SPEC® CINT2006 Result

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Fujitsu Siemens Computers

SPECint®_rate2006 = 50.3

CELSIUS R640, Intel Xeon 5160 processor

SPECint_rate_base2006 = 48.8

CPU2006 license: 22

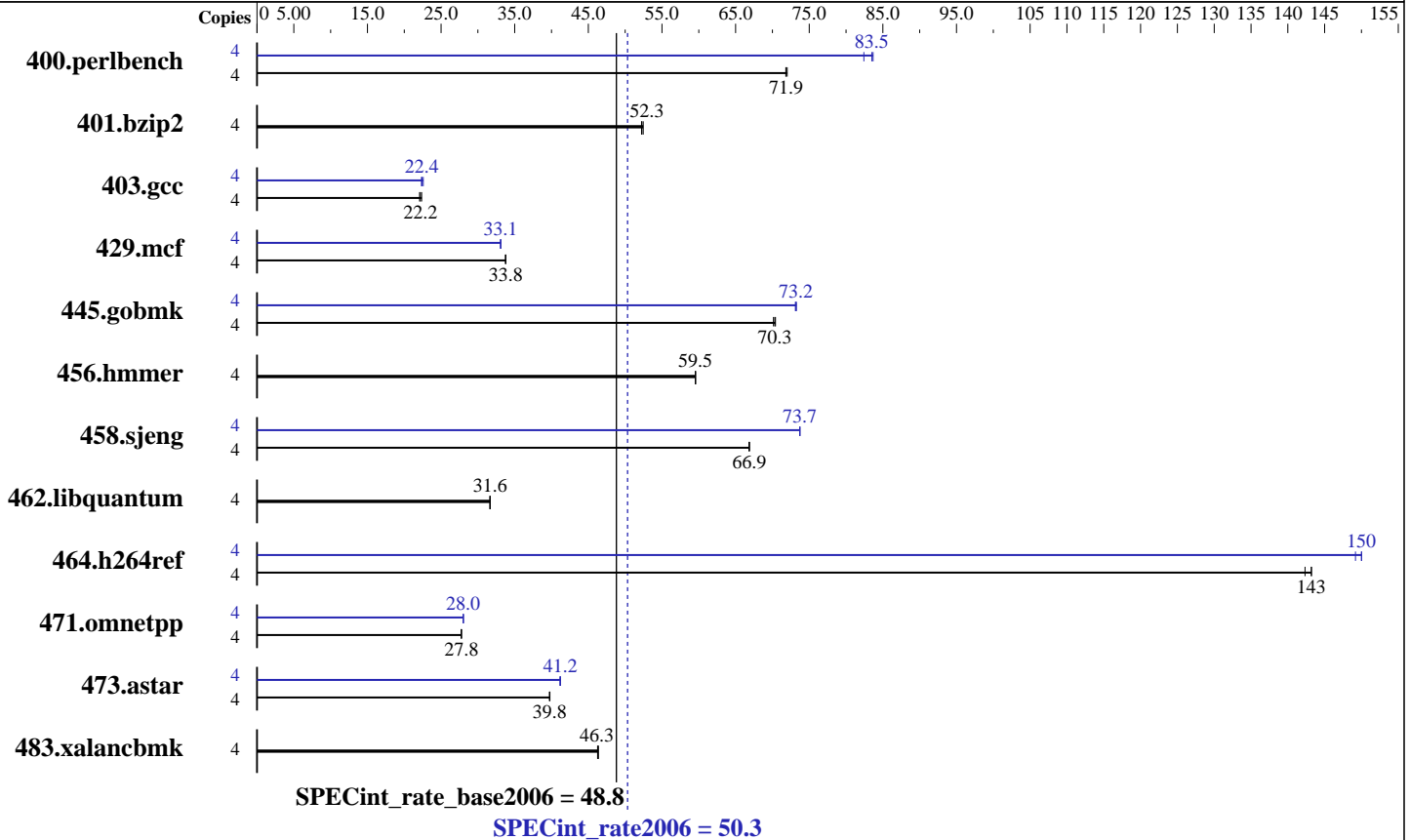
Test sponsor: Fujitsu Siemens Computers

Tested by: Fujitsu Siemens Computers

Test date: Nov-2006

Hardware Availability: Sep-2006

Software Availability: Nov-2006



Hardware

CPU Name: Intel Xeon 5160
 CPU Characteristics: Dual Core, 3.0 GHz
 CPU MHz: 3000
 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 (8x1 GB DDR2 5300F, 2 rank, CL5-5-5, ECC)
 Disk Subsystem: SATA II 7200 rpm
 Other Hardware: None

Software

Operating System: Windows XP Professional x64 Edition
 Compiler: Intel C++ Compiler for EM64T version 9.1
 - Build 20061104, Package-ID W_CC_C_9.1.033
 Microsoft Visual Studio 2005 (libr. & linker)
 Auto Parallel: No
 File System: NTFS
 System State: Default
 Base Pointers: 64-bit
 Peak Pointers: 64-bit
 Other Software: Smart Heap Library, Version 8



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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	544	71.8	543	72.0	544	71.9	4	474	82.4	468	83.5	467	83.7
401.bzip2	4	738	52.3	736	52.5	739	52.2	4	738	52.3	736	52.5	739	52.2
403.gcc	4	1458	22.1	1450	22.2	1440	22.4	4	1437	22.4	1442	22.3	1426	22.6
429.mcf	4	1080	33.8	1080	33.8	1081	33.7	4	1102	33.1	1102	33.1	1103	33.1
445.gobmk	4	597	70.3	598	70.1	596	70.4	4	573	73.2	574	73.1	573	73.3
456.hmmer	4	627	59.5	627	59.5	627	59.6	4	627	59.5	627	59.5	627	59.6
458.sjeng	4	724	66.9	724	66.8	724	66.9	4	656	73.7	657	73.7	656	73.7
462.libquantum	4	2619	31.6	2619	31.6	2618	31.7	4	2619	31.6	2619	31.6	2618	31.7
464.h264ref	4	622	142	618	143	618	143	4	593	149	590	150	590	150
471.omnetpp	4	900	27.8	902	27.7	901	27.8	4	892	28.0	892	28.0	893	28.0
473.astar	4	707	39.7	706	39.8	706	39.8	4	681	41.2	682	41.2	682	41.1
483.xalancbmk	4	597	46.3	596	46.3	596	46.3	4	597	46.3	596	46.3	596	46.3

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

General Notes

For information about Fujitsu Siemens Computers in your country please see:
<http://www.fujitsu-siemens.com/countries>

Compiler Invocation

C benchmarks:
icl -Qvc8 -Qc99

C++ benchmarks:
icl -Qvc8

Portability Flags

```

400.perlbench: -D_Complex= -DSPEC_CPU_P64 -DSPEC_CPU_NO_NEED_VA_COPY
               -DSPEC_CPU_WIN64_X64
401.bzip2: -D_Complex= -DSPEC_CPU_P64
403.gcc: -DSPEC_CPU_P64 -DSPEC_CPU_WIN64
429.mcf: -D_Complex= -DSPEC_CPU_P64
445.gobmk: -D_Complex= -DSPEC_CPU_P64
456.hmmer: -D_Complex= -DSPEC_CPU_P64
458.sjeng: -DSPEC_CPU_P64
462.libquantum: -DSPEC_CPU_P64

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Portability Flags (Continued)

464.h264ref: -D_Complex= -DSPEC_CPU_P64 -DWIN32 -DSPEC_CPU_NO_INTTYPES
471.omnetpp: -DSPEC_CPU_P64 -DSPEC_CPU_WIN64
473.astar: -DSPEC_CPU_P64
483.xalancbmk: -DSPEC_CPU_P64 -Qoption,cpp,--no_wchar_t_keyword

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 -F512000000
shlw32M.lib -link -FORCE:MULTIPLE

401.bzip2: basepeak = yes

403.gcc: Same as 400.perlbench

429.mcf: Same as 400.perlbench

445.gobmk: Same as 400.perlbench

456.hmmer: basepeak = yes

458.sjeng: Same as 400.perlbench

462.libquantum: basepeak = yes

464.h264ref: Same as 400.perlbench

C++ benchmarks:

471.omnetpp: -Qprof_gen(pass 1) -Qprof_use(pass 2) -fast -Qcxx-features
-F512000000 shlw32M.lib -link -FORCE:MULTIPLE

473.astar: Same as 471.omnetpp

483.xalancbmk: basepeak = yes



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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/CPU2006_flags.20090715.12.html

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

http://www.spec.org/cpu2006/flags/CPU2006_flags.20090715.12.xml

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

Tested with SPEC CPU2006 v1.0.
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