



SPEC® CINT2006 Result

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Fujitsu

SPECint®_rate2006 = 35.9

ESPRIMO E3520, Intel Core 2 Duo E7500

SPECint_rate_base2006 = 34.2

CPU2006 license: 19

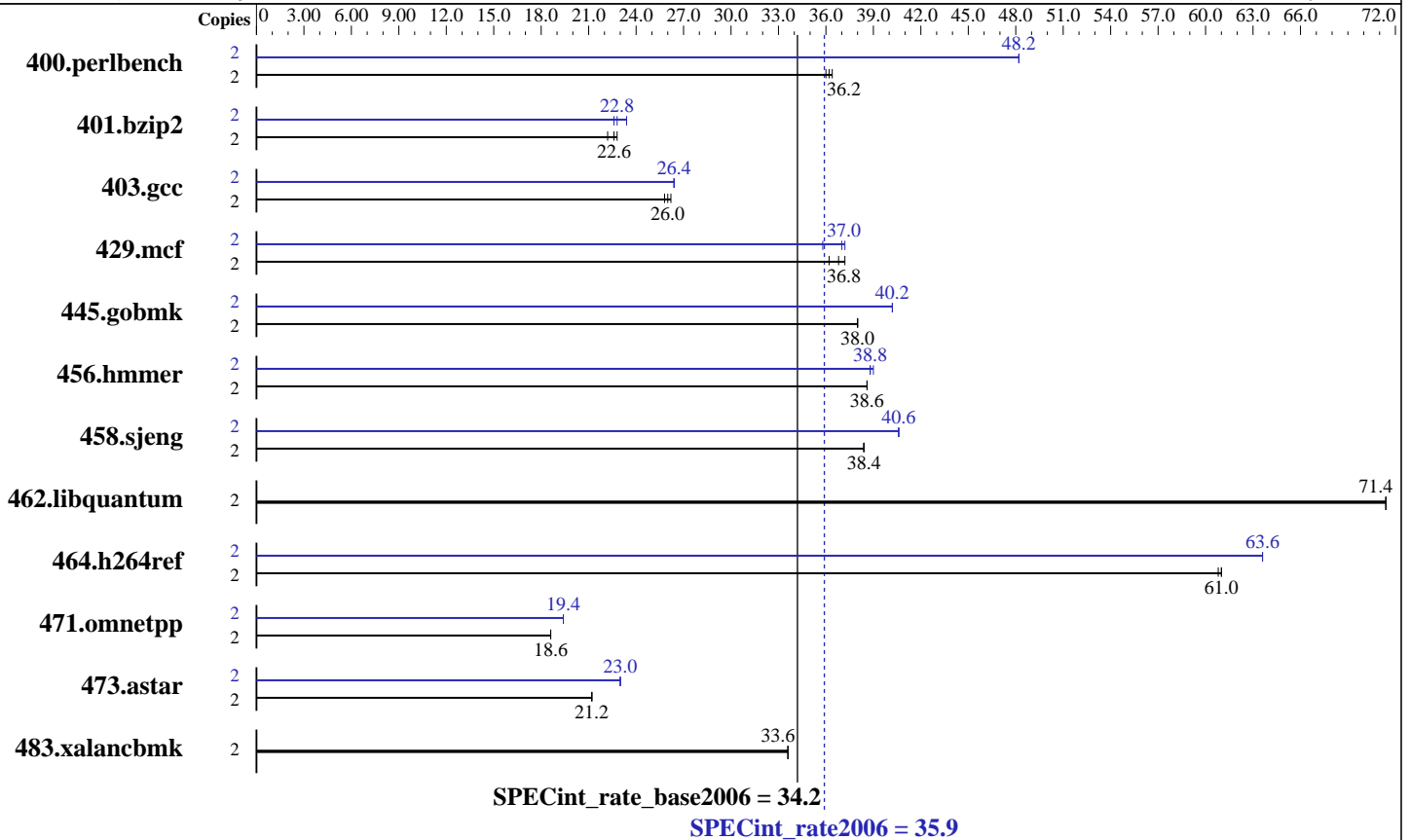
Test sponsor: Fujitsu

Tested by: Fujitsu

Test date: Aug-2009

Hardware Availability: Apr-2009

Software Availability: May-2009



Hardware

CPU Name: Intel Core 2 Duo E7500
 CPU Characteristics:
 CPU MHz: 2933
 FPU: Integrated
 CPU(s) enabled: 2 cores, 1 chip, 2 cores/chip
 CPU(s) orderable: 1 chip
 Primary Cache: 32 KB I + 32 KB D on chip per core
 Secondary Cache: 3 MB I+D on chip per chip
 L3 Cache: None
 Other Cache: None
 Memory: 2 GB (1x2 GB PC2-6400U-666-12 SDRAM)
 Disk Subsystem: 1 x 250 GB SATA 7200 RPM
 Other Hardware: None

Software

Operating System: Windows Vista Business w/ SP1 (64-bit)
 Compiler: Intel C++ Compiler Professional 11.1 for IA32
 Build 20090511 Package ID: w_cproc_p_11.1.035
 Microsoft Visual Studio 2008 w/ SP1 (for libraries)
 Auto Parallel: No
 File System: NTFS
 System State: Default
 Base Pointers: 32-bit
 Peak Pointers: 32-bit
 Other Software: SmartHeap Library Version 9.01 from <http://www.microquill.com/>



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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	2	538	36.4	543	36.0	<u>539</u>	<u>36.2</u>	2	405	48.2	406	48.2	<u>405</u>	<u>48.2</u>
401.bzip2	2	846	22.8	<u>857</u>	<u>22.6</u>	868	22.2	2	822	23.4	850	22.6	<u>850</u>	<u>22.8</u>
403.gcc	2	617	26.2	<u>621</u>	<u>26.0</u>	625	25.8	2	611	26.4	<u>609</u>	<u>26.4</u>	608	26.4
429.mcf	2	503	36.2	491	37.2	<u>497</u>	<u>36.8</u>	2	489	37.2	<u>494</u>	<u>37.0</u>	509	35.8
445.gobmk	2	553	38.0	<u>552</u>	<u>38.0</u>	551	38.0	2	522	40.2	523	40.2	<u>522</u>	<u>40.2</u>
456.hammer	2	484	38.6	<u>484</u>	<u>38.6</u>	484	38.6	2	480	39.0	<u>480</u>	<u>38.8</u>	480	38.8
458.sjeng	2	629	38.4	630	38.4	<u>629</u>	<u>38.4</u>	2	596	40.6	595	40.6	<u>596</u>	<u>40.6</u>
462.libquantum	2	<u>580</u>	<u>71.4</u>	580	71.4	580	71.4	2	<u>580</u>	<u>71.4</u>	580	71.4	580	71.4
464.h264ref	2	727	60.8	725	61.0	<u>725</u>	<u>61.0</u>	2	695	63.6	696	63.6	<u>696</u>	<u>63.6</u>
471.omnetpp	2	673	18.6	674	18.6	<u>673</u>	<u>18.6</u>	2	646	19.4	646	19.4	<u>646</u>	<u>19.4</u>
473.astar	2	664	21.2	665	21.2	<u>665</u>	<u>21.2</u>	2	609	23.0	610	23.0	<u>609</u>	<u>23.0</u>
483.xalancbmk	2	411	33.6	410	33.6	<u>411</u>	<u>33.6</u>	2	411	33.6	410	33.6	<u>411</u>	<u>33.6</u>

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

Submit Notes

The config file option 'submit' was used.
'start /b /wait /affinity' command is used to bind CPU(s) to processors.

Operating System Notes

Screen Saver was disabled
Power scheme was modified to Always On; Turn off monitor: Never; Turn off hard disks: Never

Platform Notes

BIOS default settings have been used.

Base Compiler Invocation

C benchmarks:
icl -Qvc9 -Qc99

C++ benchmarks:
icl -Qvc9



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Base Portability Flags

403.gcc: -DSPEC_CPU_WIN32
464.h264ref: -DSPEC_CPU_NO_INTTYPES -DWIN32
483.xalancbmk: -Qoption,cpp,--no_wchar_t_keyword

Base Optimization Flags

C benchmarks:
-QxSSE4.1 -Qipo -O3 -Qprec-div- -Qopt-prefetch /F512000000
C++ benchmarks:
-QxSSE4.1 -Qipo -O3 -Qprec-div- -Qopt-prefetch -Qcxx-features
/F512000000 shlw32m.lib -link /FORCE:MULTIPLE

Base Other Flags

C benchmarks:
403.gcc: -Dalloca=_alloca

Peak Compiler Invocation

C benchmarks:
icl -Qvc9 -Qc99
C++ benchmarks:
icl -Qvc9

Peak Portability Flags

403.gcc: -DSPEC_CPU_WIN32
464.h264ref: -DSPEC_CPU_NO_INTTYPES -DWIN32
483.xalancbmk: -Qoption,cpp,--no_wchar_t_keyword

Peak Optimization Flags

C benchmarks:
400.perlbench: -QxSSE4.1(pass 2) -Qprof_gen(pass 1) -Qprof_use(pass 2)
-Qipo -O3 -Qprec-div- -Qansi-alias -Qopt-prefetch
/F512000000 shlw32m.lib -link /FORCE:MULTIPLE

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Peak Optimization Flags (Continued)

401.bzip2: -QxSSE4.1(pass 2) -Qprof_gen(pass 1) -Qprof_use(pass 2)
-Qipo -O3 -Qprec-div- -Qopt-prefetch -Qansi-alias
/F512000000

403.gcc: -QxSSE4.1(pass 2) -Qprof_gen(pass 1) -Qprof_use(pass 2)
-Qipo -O3 -Qprec-div- -Qopt-prefetch /F512000000

429.mcf: -QxSSE4.1 -Qipo -O3 -Qprec-div- -Qopt-prefetch
/F512000000

445.gobmk: -QxSSE4.1(pass 2) -Qprof_gen(pass 1) -Qprof_use(pass 2)
-Qipo -O2 -Qprec-div- -Qansi-alias /F512000000

456.hmmer: -QxSSE4.1 -Qipo -O3 -Qprec-div- -Qunroll2 -Qansi-alias
/F512000000

458.sjeng: -QxSSE4.1(pass 2) -Qprof_gen(pass 1) -Qprof_use(pass 2)
-Qipo -O3 -Qprec-div- -Qunroll14 /F512000000

462.libquantum: basepeak = yes

464.h264ref: -QxSSE4.1(pass 2) -Qprof_gen(pass 1) -Qprof_use(pass 2)
-Qipo -O3 -Qprec-div- -Qunroll2 -Qansi-alias /F512000000

C++ benchmarks:

471.omnetpp: -QxSSE4.1(pass 2) -Qprof_gen(pass 1) -Qprof_use(pass 2)
-Qipo -O3 -Qprec-div- -Qansi-alias
-Qopt-ra-region-strategy=block /F512000000 shlw32m.lib
-link /FORCE:MULTIPLE

473.astar: -QxSSE4.1(pass 2) -Qprof_gen(pass 1) -Qprof_use(pass 2)
-Qipo -O3 -Qprec-div- -Qansi-alias
-Qopt-ra-region-strategy=routine /F512000000 shlw32m.lib
-link /FORCE:MULTIPLE

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-ic11.0-win32-revA.20090901.html>



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

<http://www.spec.org/cpu2006/flags/Intel-ic11.0-win32-revA.20090901.xml>

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

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