SPEC® CINT2006 Result

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Fujitsu

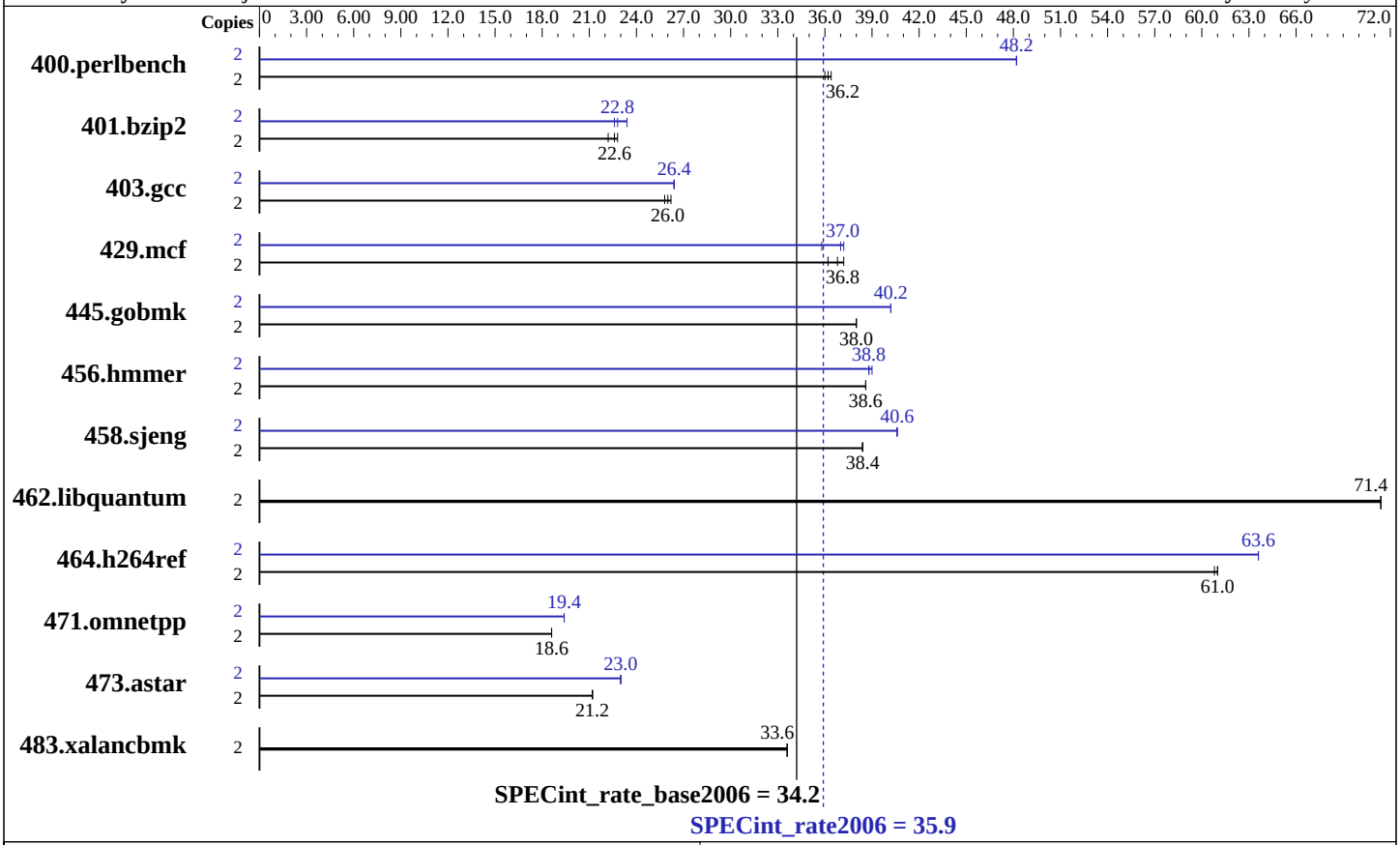
ESPRIMO E3520, Intel Core 2 Duo E7500

SPECint®_rate2006 = 35.9

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

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
```

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

Continued on next page

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- -Qunroll4 /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

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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