



SPEC® CINT2006 Result

Copyright ©2007 Standard Performance Evaluation Corporation

Fujitsu Siemens Computers

SPECint®_rate2006 = 38.4

CELSIUS M460, Intel Core 2 Duo E6850 processor

SPECint_rate_base2006 = 34.7

CPU2006 license: 22

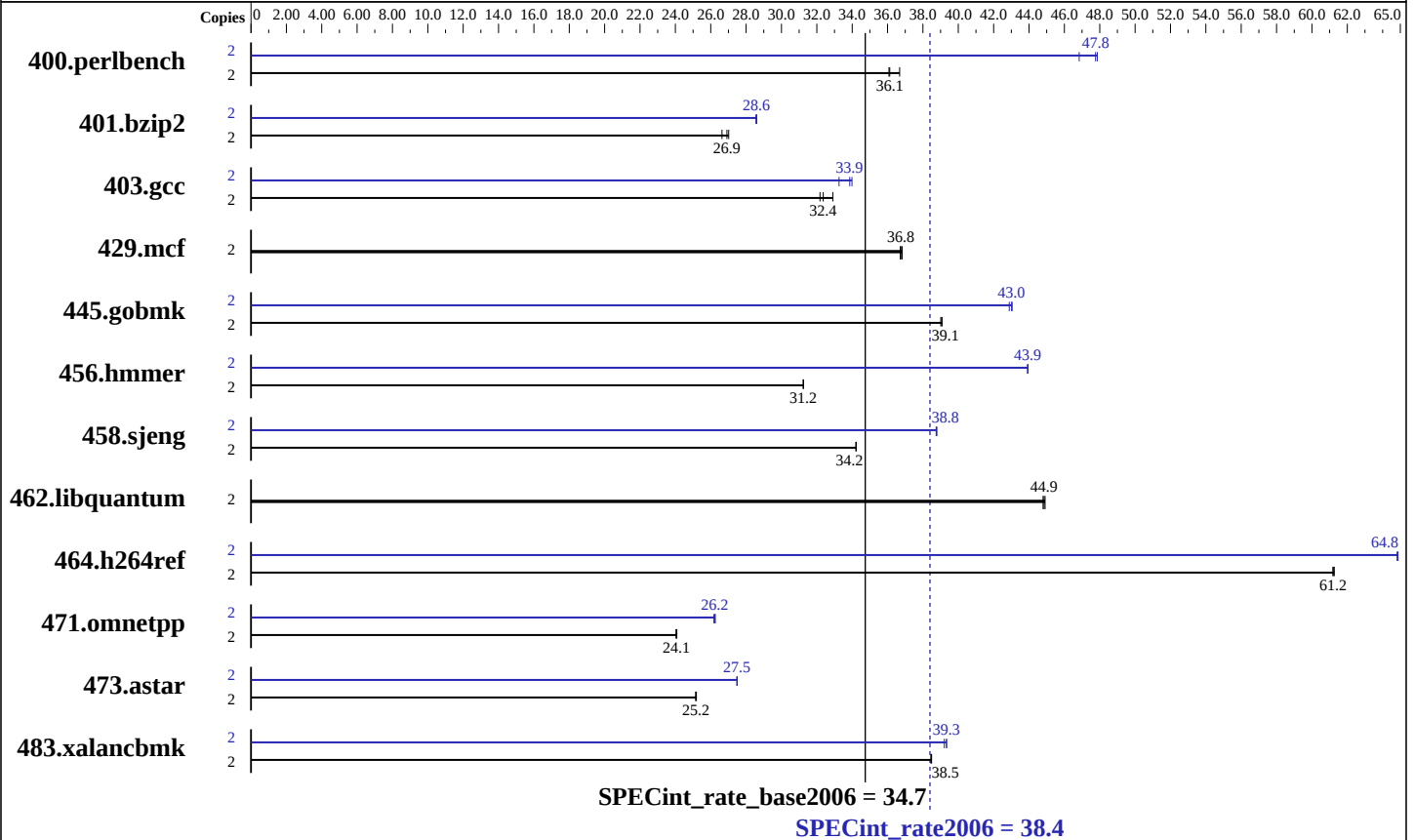
Test sponsor: Fujitsu Siemens Computers

Tested by: Fujitsu Siemens Computers

Test date: Dec-2007

Hardware Availability: Nov-2007

Software Availability: Nov-2007



Hardware

CPU Name: Intel Core 2 Duo E6850
CPU Characteristics: 3000
CPU MHz: Integrated
FPU: 2 cores, 1 chip, 2 cores/chip
CPU(s) enabled: 1 chip
CPU(s) orderable: 32 KB I + 32 KB D on chip per core
Primary Cache: 4 MB I+D on chip per chip
Secondary Cache: None
L3 Cache: None
Other Cache: None
Memory: 4 GB (4x1 GB PC2-6400 CL6 SDRAM)
Disk Subsystem: 1 x 400 GB SATA II 7200 RPM
Other Hardware: None

Software

Operating System: Microsoft Windows Vista Ultimate (x64)
Compiler: Intel C++ Compilers for IA-32 and for Intel64, Version 10.1, Build 20070913
Microsoft Visual Studio 2005 with SP1 (for libraries)
Auto Parallel: No
File System: NTFS
System State: Default
Base Pointers: 32-bit
Peak Pointers: 32/64-bit
Other Software: MicroQuill SmartHeap Library, Version 8.1



SPEC CINT2006 Result

Copyright ©2007 Standard Performance Evaluation Corporation

Fujitsu Siemens Computers

SPECint_rate2006 = 38.4

CELSIUS M460, Intel Core 2 Duo E6850 processor

SPECint_rate_base2006 = 34.7

CPU2006 license: 22

Test sponsor: Fujitsu Siemens Computers

Tested by: Fujitsu Siemens Computers

Test date: Dec-2007

Hardware Availability: Nov-2007

Software Availability: Nov-2007

Results Table

Benchmark	Base							Peak						
	Copies	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Copies	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio
400.perlbench	2	533	36.7	<u>541</u>	<u>36.1</u>	542	36.1	2	417	46.8	<u>409</u>	<u>47.8</u>	408	47.9
401.bzip2	2	725	26.6	<u>717</u>	<u>26.9</u>	714	27.0	2	675	28.6	<u>675</u>	<u>28.6</u>	676	28.6
403.gcc	2	489	32.9	<u>498</u>	<u>32.4</u>	500	32.2	2	484	33.3	474	34.0	<u>475</u>	<u>33.9</u>
429.mcf	2	497	36.7	495	36.8	<u>496</u>	<u>36.8</u>	2	497	36.7	495	36.8	<u>496</u>	<u>36.8</u>
445.gobmk	2	537	39.1	<u>537</u>	<u>39.1</u>	538	39.0	2	487	43.0	<u>488</u>	<u>43.0</u>	489	42.9
456.hmmmer	2	<u>597</u>	<u>31.2</u>	597	31.2	597	31.2	2	<u>425</u>	<u>43.9</u>	425	43.9	425	43.9
458.sjeng	2	<u>707</u>	<u>34.2</u>	707	34.2	707	34.2	2	<u>624</u>	<u>38.8</u>	625	38.7	624	38.8
462.libquantum	2	<u>924</u>	<u>44.9</u>	923	44.9	925	44.8	2	<u>924</u>	<u>44.9</u>	923	44.9	925	44.8
464.h264ref	2	<u>723</u>	<u>61.2</u>	723	61.2	722	61.3	2	683	64.8	682	64.9	<u>683</u>	<u>64.8</u>
471.omnetpp	2	<u>520</u>	<u>24.1</u>	520	24.0	519	24.1	2	477	26.2	476	26.3	<u>476</u>	<u>26.2</u>
473.astar	2	<u>558</u>	<u>25.2</u>	557	25.2	558	25.1	2	<u>511</u>	<u>27.5</u>	511	27.5	511	27.5
483.xalancbmk	2	<u>359</u>	<u>38.5</u>	359	38.5	359	38.4	2	351	39.3	<u>351</u>	<u>39.3</u>	352	39.2

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

Platform Notes

BIOS default settings have been used.

General Notes

All binaries were built with 32-bit Intel compiler except:
401.bzip2 and 456.hmmmer in peak were built with 64-bit Intel
compiler by changing the path for include and library files.

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

Base Compiler Invocation

C benchmarks:
icl -Qvc8 -Qc99

C++ benchmarks:
icl -Qvc8



SPEC CINT2006 Result

Copyright ©2007 Standard Performance Evaluation Corporation

Fujitsu Siemens Computers

SPECint_rate2006 = 38.4

CELSIUS M460, Intel Core 2 Duo E6850 processor

SPECint_rate_base2006 = 34.7

CPU2006 license: 22

Test sponsor: Fujitsu Siemens Computers

Tested by: Fujitsu Siemens Computers

Test date: Dec-2007

Hardware Availability: Nov-2007

Software Availability: Nov-2007

Base Portability Flags

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

Base Optimization Flags

C benchmarks:
-fast -Qvec-guard-write -F512000000

C++ benchmarks:
-fast -Qcxx_features -F512000000 shlw32M.lib -link -FORCE:MULTIPLE

Base Other Flags

C benchmarks:
403.gcc: -Dalloca=_alloca

Peak Compiler Invocation

C benchmarks (except as noted below):
icl -Qvc8 -Qc99

401.bzip2: C:\\DevelTools\\Intel\\Compiler\\C++\\10.1.011\\EM64T\\Bin\\icl.exe
-IC:\\DevelTools\\Intel\\Compiler\\C++\\10.1.011\\EM64T\\Include
-link -LIBPATH:C:\\DevelTools\\Intel\\Compiler\\C++\\10.1.011\\EM64T\\Lib
-link -LIBPATH:"C:\\Program Files\\Microsoft Visual Studio 8\\vc\\lib"
-link -LIBPATH:"C:\\Program Files\\Microsoft Visual Studio 8\\vc\\lib\\amd64"

456.hmmer: C:\\DevelTools\\Intel\\Compiler\\C++\\10.1.011\\EM64T\\Bin\\icl.exe
-IC:\\DevelTools\\Intel\\Compiler\\C++\\10.1.011\\EM64T\\Include
-link -LIBPATH:C:\\DevelTools\\Intel\\Compiler\\C++\\10.1.011\\EM64T\\Lib
-link -LIBPATH:"C:\\Program Files\\Microsoft Visual Studio 8\\vc\\lib"
-link -LIBPATH:"C:\\Program Files\\Microsoft Visual Studio 8\\vc\\lib\\amd64"

C++ benchmarks:
icl -Qvc8



SPEC CINT2006 Result

Copyright ©2007 Standard Performance Evaluation Corporation

Fujitsu Siemens Computers

SPECint_rate2006 = 38.4

CELSIUS M460, Intel Core 2 Duo E6850 processor

SPECint_rate_base2006 = 34.7

CPU2006 license: 22

Test sponsor: Fujitsu Siemens Computers

Tested by: Fujitsu Siemens Computers

Test date: Dec-2007

Hardware Availability: Nov-2007

Software Availability: Nov-2007

Peak Portability Flags

401.bzip2: -DSPEC_CPU_P64
403.gcc: -DSPEC_CPU_WIN32
456.hmmr: -DSPEC_CPU_P64
464.h264ref: -DSPEC_CPU_NO_INTTYPES -DWIN32
473.astar: -DSPEC_CPU_LITTLE_ENDIAN
483.xalancbmk: -Qoption, cpp, --no_wchar_t_keyword

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 -Qprefetch
-F512000000

403.gcc: -Qprof_gen(pass 1) -Qprof_use(pass 2) -fast -F512000000

429.mcf: basepeak = yes

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

456.hmmr: -Qprof_gen(pass 1) -Qprof_use(pass 2) -fast -Qunroll2
-Qansi-alias -Qopt-multi-version-aggressive -F512000000

458.sjeng: -Qprof_gen(pass 1) -Qprof_use(pass 2) -fast -Qunroll4
-F512000000

462.libquantum: basepeak = yes

464.h264ref: -Qprof_gen(pass 1) -Qprof_use(pass 2) -fast -Qunroll2
-Qansi-alias -F512000000

C++ benchmarks:

471.omnetpp: -Qprof_gen(pass 1) -Qprof_use(pass 2) -fast -Qansi-alias
-Qopt-ra-region-strategy=block -Qcxx_features -F512000000
shlw32M.lib -link -FORCE:MULTIPLE

473.astar: -Qprof_gen(pass 1) -Qprof_use(pass 2) -fast -Qansi-alias
-Qopt-ra-region-strategy=routine -Qcxx_features -F512000000
shlw32M.lib -link -FORCE:MULTIPLE

483.xalancbmk: -Qprof_gen(pass 1) -Qprof_use(pass 2) -fast -Qansi-alias
-Qcxx_features -F512000000 shlw32M.lib
-link -FORCE:MULTIPLE



SPEC CINT2006 Result

Copyright ©2007 Standard Performance Evaluation Corporation

Fujitsu Siemens Computers

SPECint_rate2006 = 38.4

CELSIUS M460, Intel Core 2 Duo E6850 processor

SPECint_rate_base2006 = 34.7

CPU2006 license: 22

Test sponsor: Fujitsu Siemens Computers

Tested by: Fujitsu Siemens Computers

Test date: Dec-2007

Hardware Availability: Nov-2007

Software Availability: Nov-2007

Peak Other Flags

Same as Base Other Flags

The flags file that was used to format this result can be browsed at
http://www.spec.org/cpu2006/flags/CPU2006_flags.20080124.html

You can also download the XML flags source by saving the following link:
http://www.spec.org/cpu2006/flags/CPU2006_flags.20080124.xml

SPEC and SPECint are registered trademarks of the Standard Performance Evaluation Corporation. All other brand and product names appearing in this result are trademarks or registered trademarks of their respective holders.

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

Tested with SPEC CPU2006 v1.0.
Report generated on Thu Jan 24 17:40:51 2008 by SPEC CPU2006 PS/PDF formatter v5614.