



SPEC® CINT2006 Result

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Clevo

(Test Sponsor: Intel Corporation)

SPECint®_rate2006 = 88.5

Clevo STYLE-NOTE

SPECint_rate_base2006 = 84.2

CPU2006 license: 13

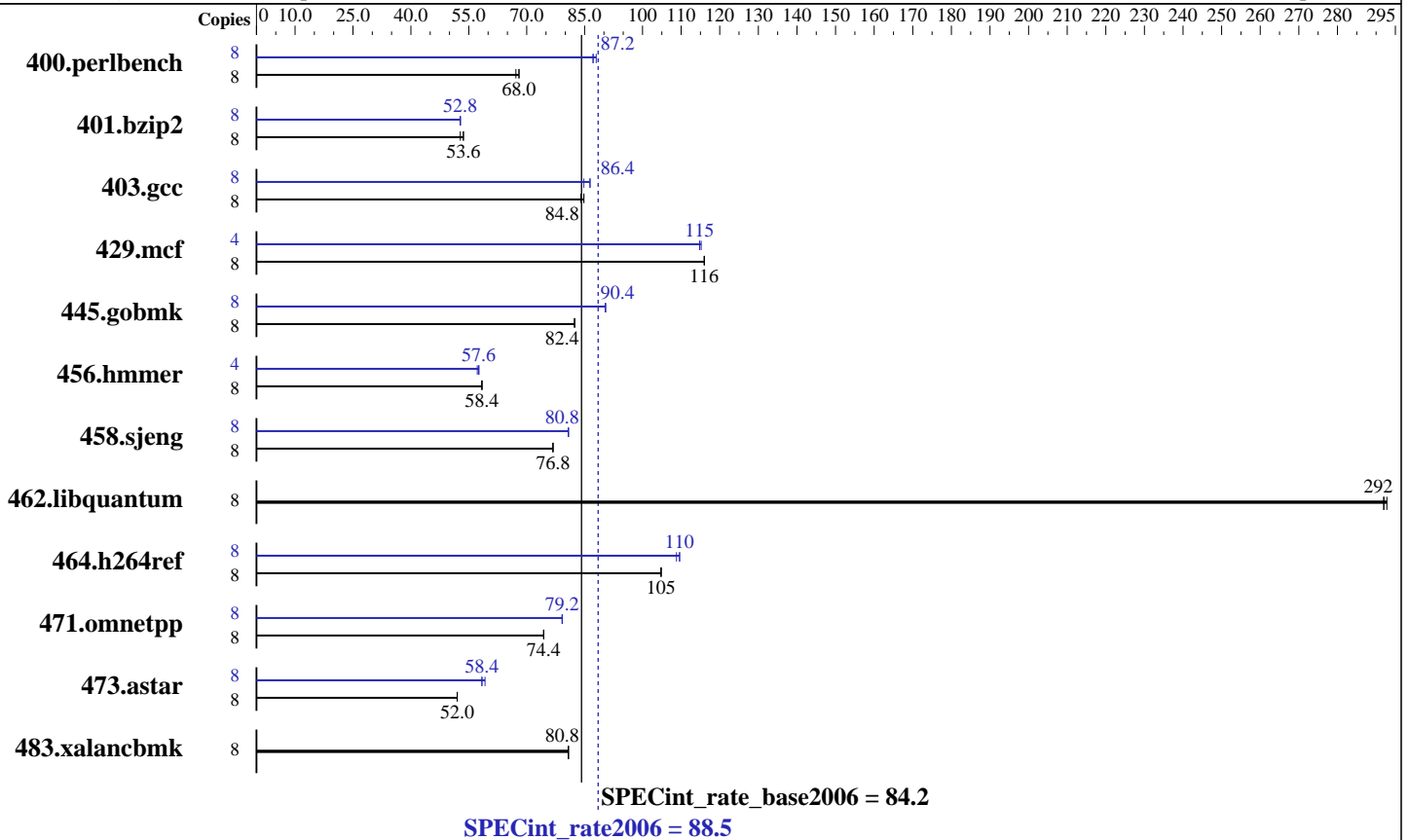
Test sponsor: Intel Corporation

Tested by: Intel Corporation

Test date: Apr-2010

Hardware Availability: Jun-2010

Software Availability: Sep-2009



Hardware

CPU Name: Intel Core i7-940XM
 CPU Characteristics: Intel Turbo Boost Technology up to 3.33 GHz
 CPU MHz: 2133
 FPU: Integrated
 CPU(s) enabled: 4 cores, 1 chip, 4 cores/chip, 2 threads/core
 CPU(s) orderable: 1 chip
 Primary Cache: 32 KB I + 32 KB D on chip per core
 Secondary Cache: 256 KB I+D on chip per core
 L3 Cache: 8 MB I+D on chip per chip
 Other Cache: None
 Memory: 8 GB (2 x 4 GB 2Rx8 PC3-10600S-9)
 Disk Subsystem: Hitachi 320 GB SATA, 7200 RPM
 Other Hardware: None

Software

Operating System: Windows 7 Ultimate (64-bit)
 Compiler: Intel C++ Compiler Professional 11.1 for IA32
 Build 20090903 Package ID: w_cproc_p_11.1.045
 Microsoft Visual Studio 2008 Professional SP1 (for libraries)
 Auto Parallel: No
 File System: NTFS
 System State: Default
 Base Pointers: 32-bit
 Peak Pointers: 32-bit
 Other Software: None
 SmartHeap Library Version 8.1 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	8	1150	68.0	<u>1155</u>	<u>68.0</u>	1157	67.2	8	<u>892</u>	<u>87.2</u>	892	88.0	893	87.2
401.bzip2	8	1457	52.8	1447	53.6	<u>1449</u>	<u>53.6</u>	8	1455	52.8	1452	52.8	<u>1455</u>	<u>52.8</u>
403.gcc	8	<u>763</u>	<u>84.8</u>	758	84.8	770	84.0	8	<u>748</u>	<u>86.4</u>	759	84.8	745	86.4
429.mcf	8	629	116	629	116	<u>629</u>	<u>116</u>	4	<u>318</u>	<u>115</u>	317	115	318	115
445.gobmk	8	1022	82.4	<u>1022</u>	<u>82.4</u>	1022	82.4	8	929	90.4	<u>929</u>	<u>90.4</u>	931	90.4
456.hammer	8	1273	58.4	1274	58.4	<u>1273</u>	<u>58.4</u>	4	<u>650</u>	<u>57.6</u>	649	57.6	653	57.2
458.sjeng	8	<u>1259</u>	<u>76.8</u>	1260	76.8	1259	76.8	8	<u>1200</u>	<u>80.8</u>	1200	80.8	1203	80.8
462.libquantum	8	568	292	566	293	<u>567</u>	<u>292</u>	8	568	292	566	293	<u>567</u>	<u>292</u>
464.h264ref	8	<u>1686</u>	<u>105</u>	1686	105	1685	105	8	1629	109	1619	110	<u>1620</u>	<u>110</u>
471.omnetpp	8	674	74.4	675	74.4	<u>675</u>	<u>74.4</u>	8	628	79.2	630	79.2	<u>630</u>	<u>79.2</u>
473.astar	8	1075	52.0	1075	52.0	<u>1075</u>	<u>52.0</u>	8	954	59.2	956	58.4	<u>956</u>	<u>58.4</u>
483.xalancbmk	8	683	80.8	683	80.8	<u>683</u>	<u>80.8</u>	8	683	80.8	683	80.8	<u>683</u>	<u>80.8</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.
The Windows command 'start' was used to bind copies to cores.
(For details, please see the config file.)

Base Compiler Invocation

C benchmarks:
icl -Qvc9 -Qstd=c99

C++ benchmarks:
icl -Qvc9

Base Portability Flags

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

Base Optimization Flags

C benchmarks:
-QxSSE4.2 -Qipo -O3 -Qprec-div- -Qopt-prefetch /F512000000

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Base Optimization Flags (Continued)

C++ benchmarks:

-QxSSE4.2 -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 -Qstd=c99

C++ benchmarks:

icl -Qvc9

Peak Portability Flags

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

Peak Optimization Flags

C benchmarks:

400.perlbench: -QxSSE4.2(pass 2) -Qprof_gen(pass 1) -Qprof_use(pass 2)
-Qipo -O3 -Qprec-div- -Qansi-alias -Qopt-prefetch
/F512000000 shlw32M.lib -link /FORCE:MULTIPLE

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

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

429.mcf: -QxSSE4.2 -Qipo -O3 -Qprec-div- -Qopt-prefetch
/F512000000

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Peak Optimization Flags (Continued)

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

456.hmmer: -QxSSE4.2 -Qipo -O3 -Qprec-div- -Qunroll2 -Qansi-alias
/F512000000

458.sjeng: -QxSSE4.2(pass 2) -Qprof_gen(pass 1) -Qprof_use(pass 2)
-Qipo -O3 -Qprec-div- -Qunroll4 /F512000000

462.libquantum: basepeak = yes

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

C++ benchmarks:

471.omnetpp: -QxSSE4.2(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: -QxSSE4.2(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-winx64-revA.20101221.00.html>

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

<http://www.spec.org/cpu2006/flags/Intel-ic11.0-winx64-revA.20101221.00.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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