SPEC® CINT2006 Result
Copyright 2006-2014 Standard Performance Evaluation Corporation

Intel Corporation

Intel DH67BLB3 Motherboard (Intel Core i5-2500T)

$SPECint^{®}2006 = $ 38.7

$SPECint_base2006 = $ 35.5
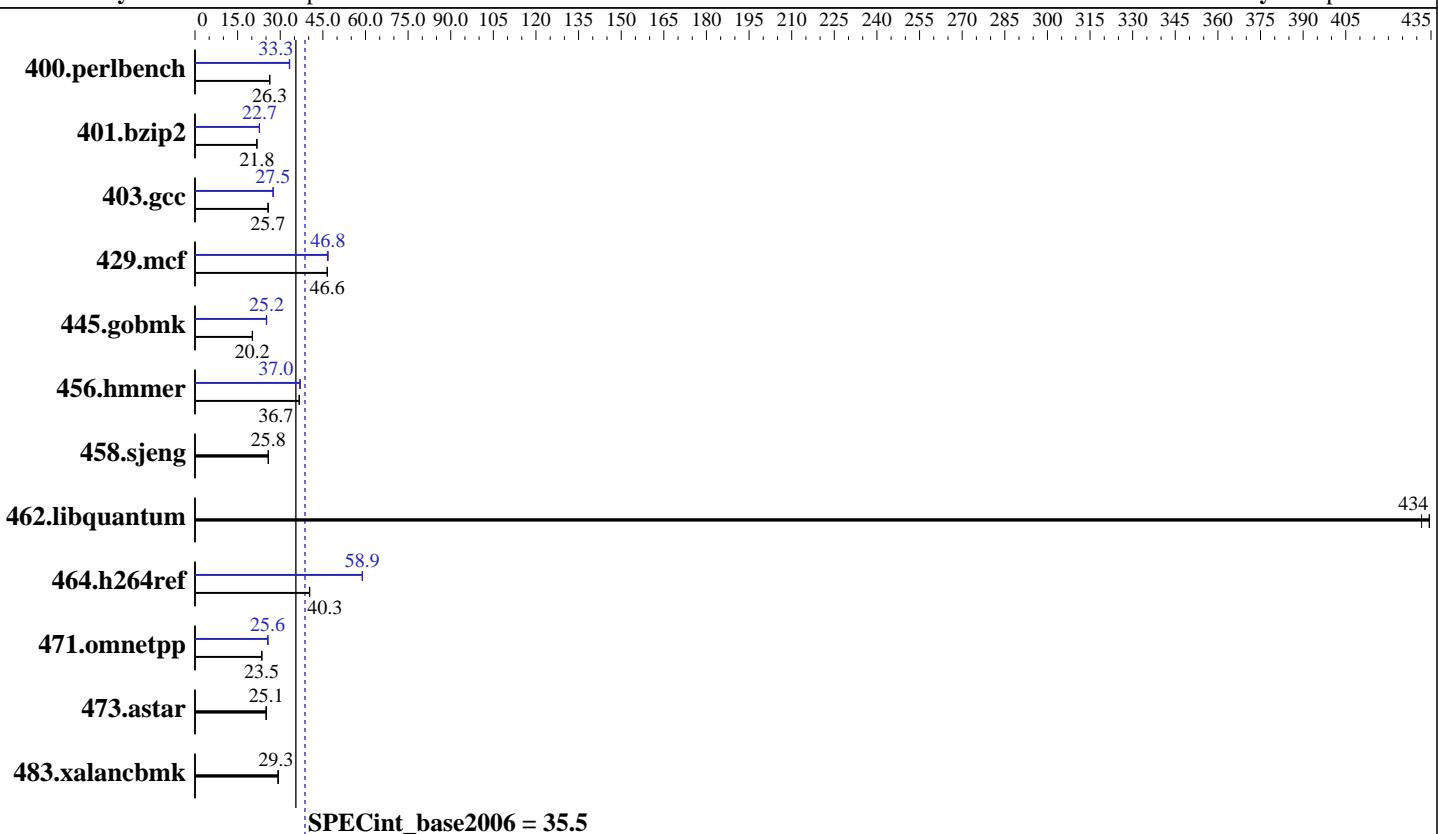
CPU2006 license: 13

Test sponsor: Intel Corporation

Tested by: Intel Corporation

Test date: Apr-2011

Hardware Availability: Mar-2011

Software Availability: Apr-2011

Benchmark	Base	Peak
400.perlbench	26.3	33.3
401.bzip2	21.8	22.7
403.gcc	25.7	27.5
429.mcf	46.6	46.8
445.gobmk	20.2	25.2
456.hmmer	36.7	37.0
458.sjeng	25.8	
462.libquantum	434	
464.h264ref	40.3	58.9
471.omnetpp	23.5	25.6
473.astar	25.1	
483.xalancbmk	29.3	

SPECint_base2006 = 35.5

SPECint2006 = 38.7

Hardware

CPU Name: Intel Core i5-2500T

CPU Characteristics: Intel Turbo Boost Technology up to 3.3 GHz

CPU MHz: 2300

FPU: Integrated

CPU(s) enabled: 4 cores, 1 chip, 4 cores/chip

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: 6 MB I+D on chip per chip

Other Cache: None

Memory: 8 GB (2 x 4 GB 2Rx8 PC3-10600U-9)

Disk Subsystem: Seagate 1 TB SATA, 7200 RPM

Other Hardware: None

Software

Operating System: Windows 7 Ultimate (64-bit)

Compiler: Intel C++ Compiler XE for Intel64 Version 12.0.3.163 Build 20110217 Microsoft Visual Studio 2008 Professional SP1 (for libraries)

Auto Parallel: Yes

File System: NTFS

System State: Default

Base Pointers: 32/64-bit

Peak Pointers: 32/64-bit

Other Software: SmartHeap Library Version 9.01 from http://www.microquill.com/

SPEC CINT2006 Result
Copyright 2006-2014 Standard Performance Evaluation Corporation

Intel Corporation

Intel DH67BLB3 Motherboard (Intel Core i5-2500T)

SPECint2006 =	38.7
SPECint_base2006 =	35.5

CPU2006 license: 13
Test sponsor: Intel Corporation
Tested by: Intel Corporation

Test date: Apr-2011
Hardware Availability: Mar-2011
Software Availability: Apr-2011

Results Table

Benchmark	Base						Peak					
	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio
400.perlbench	**372**	**26.3**	372	26.3	372	26.3	294	33.2	**294**	**33.3**	293	33.3
401.bzip2	443	21.8	**444**	**21.8**	444	21.7	427	22.6	**426**	**22.7**	425	22.7
403.gcc	312	25.8	**313**	**25.7**	313	25.7	**293**	**27.5**	293	27.5	292	27.5
429.mcf	196	46.6	**196**	**46.6**	196	46.5	196	46.6	**195**	**46.8**	195	46.8
445.gobmk	**519**	**20.2**	519	20.2	518	20.2	417	25.1	**417**	**25.2**	416	25.2
456.hmmer	254	36.7	254	36.7	**254**	**36.7**	253	36.9	252	37.0	**252**	**37.0**
458.sjeng	468	25.8	**468**	**25.8**	469	25.8	468	25.8	**468**	**25.8**	469	25.8
462.libquantum	48.0	432	47.7	434	**47.7**	**434**	48.0	432	47.7	434	**47.7**	**434**
464.h264ref	548	40.4	**549**	**40.3**	549	40.3	376	58.9	**376**	**58.9**	376	58.9
471.omnetpp	266	23.5	266	23.5	**266**	**23.5**	244	25.6	**244**	**25.6**	244	25.7
473.astar	280	25.1	**280**	**25.1**	280	25.0	280	25.1	**280**	**25.1**	280	25.0
483.xalancbmk	235	29.3	**235**	**29.3**	236	29.2	235	29.3	**235**	**29.3**	236	29.2

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

General Notes

```
Tested systems can be used with Shin-G ATX case,
PC Power and Cooling 1200W power supply
OMP_NUM_THREADS set to number of processors cores
KMP_AFFINITY set to granularity=fine,scatter
```

Base Compiler Invocation

C benchmarks:
```
icl -Qvc9 -Qstd=c99
```

C++ benchmarks:
```
icl -Qvc9
```

Base Portability Flags

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

SPEC CINT2006 Result

Intel Corporation

Intel DH67BLB3 Motherboard (Intel Core i5-2500T)

SPECint2006 =   38.7

SPECint_base2006 =   35.5

CPU2006 license: 13
Test sponsor: Intel Corporation
Tested by: Intel Corporation

Test date: Apr-2011
Hardware Availability: Mar-2011
Software Availability: Apr-2011

Base Portability Flags (Continued)

```
462.libquantum: -DSPEC_CPU_P64
   464.h264ref: -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:

```
-QxAVX -Qipo -O3 -Qprec-div- -Qopt-prefetch -Qparallel -Qauto-ilp32
/F512000000
```

C++ benchmarks:

```
-QxAVX -Qipo -O3 -Qprec-div- -Qopt-prefetch -Qcxx-features
-Qauto-ilp32 /F512000000 shlW64M.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

```
Same as Base Portability Flags
```

Peak Optimization Flags

C benchmarks:

```
400.perlbench: -QxAVX(pass 2) -Qprof_gen(pass 1) -Qprof_use(pass 2) -Qipo
               -O3 -Qprec-div- -Qansi-alias -Qopt-prefetch -Qauto-ilp32
               /F512000000 shlW64M.lib          -link /FORCE:MULTIPLE
```

Continued on next page

Intel Corporation

Intel DH67BLB3 Motherboard (Intel Core i5-2500T)

$SPECint2006 = $ 38.7

$SPECint_base2006 = $ 35.5

CPU2006 license: 13
Test sponsor: Intel Corporation
Tested by: Intel Corporation

Test date: Apr-2011
Hardware Availability: Mar-2011
Software Availability: Apr-2011

Peak Optimization Flags (Continued)

```
   401.bzip2: -QxAVX(pass 2) -Qprof_gen(pass 1) -Qprof_use(pass 2) -Qipo
              -O3 -Qprec-div- -Qopt-prefetch -Qansi-alias -Qauto-ilp32
              /F512000000

     403.gcc: -QxAVX(pass 2) -Qprof_gen(pass 1) -Qprof_use(pass 2) -Qipo
              -O3 -Qprec-div- -Qauto-ilp32 /F512000000

     429.mcf: -QxAVX -Qipo -O3 -Qprec-div- -Qopt-prefetch -Qauto-ilp32
              /F512000000

   445.gobmk: -QxAVX(pass 2) -Qprof_gen(pass 1) -Qprof_use(pass 2) -Qipo
              -O2 -Qprec-div- -Qansi-alias -Qauto-ilp32 /F512000000

   456.hmmer: -QxAVX -Qipo -O3 -Qprec-div- -Qunroll2 -Qansi-alias
              -Qauto-ilp32 /F512000000

   458.sjeng: basepeak = yes

462.libquantum: basepeak = yes

  464.h264ref: -QxAVX(pass 2) -Qprof_gen(pass 1) -Qprof_use(pass 2) -Qipo
              -O3 -Qprec-div- -Qunroll2 -Qansi-alias -Qauto-ilp32
              /F512000000
```

C++ benchmarks:

```
  471.omnetpp: -QxAVX(pass 2) -Qprof_gen(pass 1) -Qprof_use(pass 2) -Qipo
              -O3 -Qprec-div- -Qansi-alias
              -Qopt-ra-region-strategy=block -Qauto-ilp32 /F512000000
              shlW64M.lib              -link /FORCE:MULTIPLE

   473.astar: basepeak = yes

483.xalancbmk: basepeak = yes
```

Peak Other Flags

C benchmarks:

```
     403.gcc: -Dalloca=_alloca
```

The flags files that were used to format this result can be browsed at
http://www.spec.org/cpu2006/flags/Intel-ic12-winx64-revB.html
http://www.spec.org/cpu2006/flags/Intel-Windows-Platform-Settings.html

SPEC CINT2006 Result
Copyright 2006-2014 Standard Performance Evaluation Corporation

Intel Corporation

Intel DH67BLB3 Motherboard (Intel Core i5-2500T)

SPECint2006 =	38.7
SPECint_base2006 =	35.5

CPU2006 license: 13
Test sponsor: Intel Corporation
Tested by: Intel Corporation

Test date: Apr-2011
Hardware Availability: Mar-2011
Software Availability: Apr-2011

You can also download the XML flags sources by saving the following links:
http://www.spec.org/cpu2006/flags/Intel-ic12-winx64-revB.xml
http://www.spec.org/cpu2006/flags/Intel-Windows-Platform-Settings.xml

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

Tested with SPEC CPU2006 v1.1.
Report generated on Wed Jul 23 21:13:54 2014 by SPEC CPU2006 PS/PDF formatter v6932.
Originally published on 10 May 2011.