SPEC® CINT2006 Result

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Intel Corporation

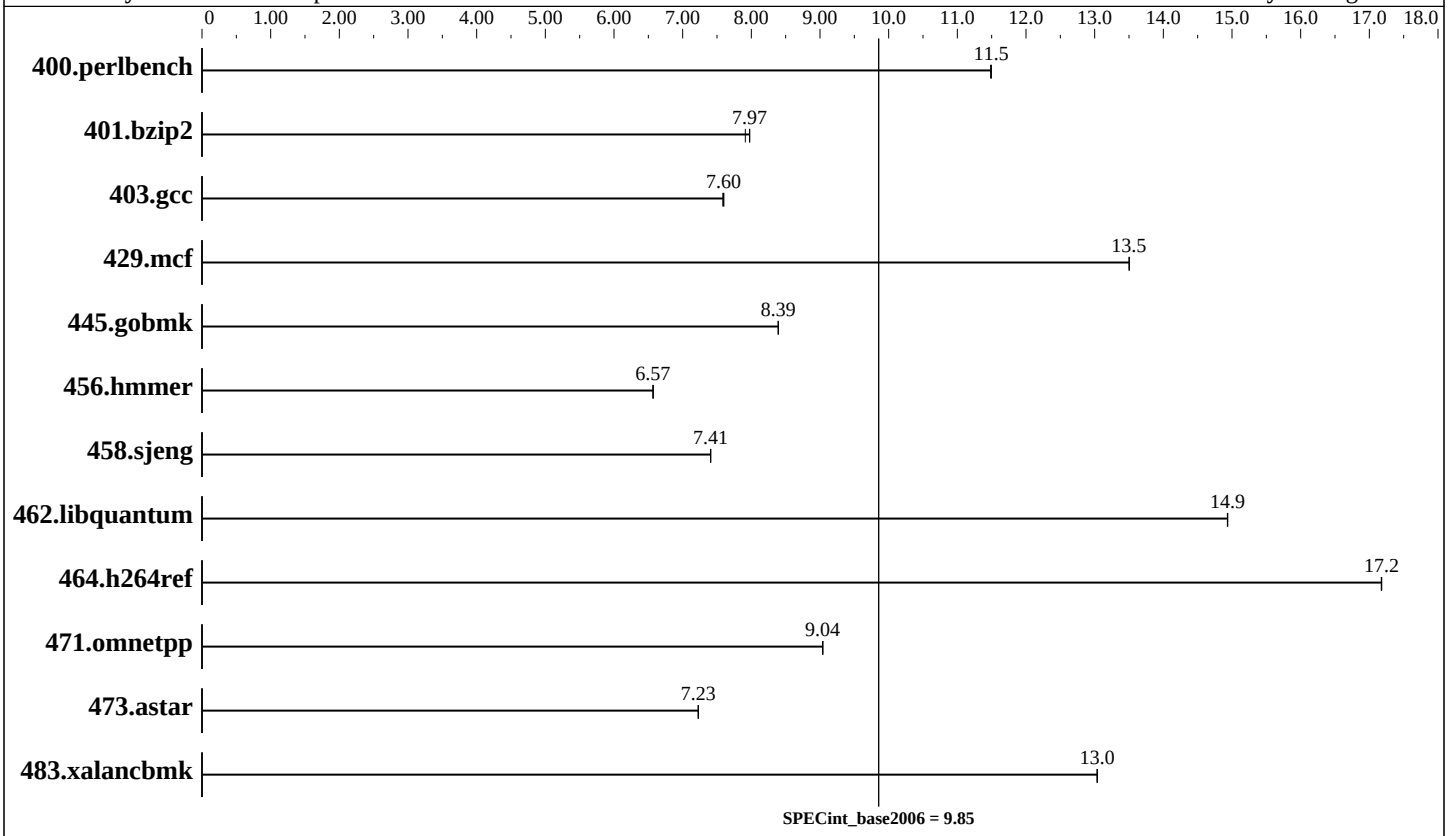
Intel DG965WH motherboard
(3.0 GHz, Intel Pentium D processor 930)

SPECint®2006 = Not Run

SPECint_base2006 = 9.85

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

Test date: Jan-2007
Hardware Availability: Aug-2006
Software Availability: Aug-2006



Hardware

CPU Name:	Intel Pentium D 930
CPU Characteristics:	3.0 GHz, 800 MHz bus
CPU MHz:	3000
FPU:	Integrated
CPU(s) enabled:	2 cores, 1 chip, 2 cores/chip
CPU(s) orderable:	1 chip
Primary Cache:	12 K micro-ops I + 16 KB D on chip per core
Secondary Cache:	2 MB I+D on chip per core
L3 Cache:	None
Other Cache:	None
Memory:	2 GB (2 1GB Micron MT16HTF12864AY-80ED4 DDR2 800, CL5)
Disk Subsystem:	Maxtor DiamondMax 10 6B300S0 300GB NCQ Serial ATA (7200 RPM, 16MB cache)
Other Hardware:	SoundBlaster Live! PCI card

Software

Operating System:	Windows XP Professional w/ SP2
Compiler:	Intel C++ Compiler for IA32 version 9.1 Build no 20060816 Microsoft Visual Studio .Net 2003 (for libraries)
Auto Parallel:	No
File System:	NTFS
System State:	Default
Base Pointers:	32-bit
Peak Pointers:	Not Applicable
Other Software:	SmartHeap Library Version 8.0 from http://www.microquill.com/

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Results Table

Benchmark	Base						Peak					
	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio
400.perlbench	851	11.5	**850**	**11.5**	850	11.5						
401.bzip2	**1210**	**7.97**	1210	7.98	1220	7.91						
403.gcc	1059	7.60	**1060**	**7.60**	1061	7.58						
429.mcf	**675**	**13.5**	675	13.5	675	13.5						
445.gobmk	**1250**	**8.39**	1250	8.39	1250	8.39						
456.hmmer	1420	6.57	**1420**	**6.57**	1420	6.57						
458.sjeng	1634	7.41	**1634**	**7.41**	1633	7.41						
462.libquantum	1387	14.9	1388	14.9	**1387**	**14.9**						
464.h264ref	1288	17.2	**1288**	**17.2**	1289	17.2						
471.omnetpp	691	9.04	692	9.04	**691**	**9.04**						
473.astar	**971**	**7.23**	971	7.23	971	7.23						
483.xalancbmk	**529**	**13.0**	529	13.0	529	13.0						

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, Antec NeoPower 480W power supply
Product description located as of 1/2007:
http://www.intel.com/products/motherboard/DG965WH/index.htm
The system bus runs at 800 MHz
System was configured with Single nVidia Quad SLI Geforce 7950 GX2
```

Base Compiler Invocation

C benchmarks:

```
icl -Qvc7.1 -Qc99
```

C++ benchmarks:

```
icl -Qvc7.1
```

Base Portability Flags

403.gcc: `-DSPEC_CPU_WIN32`
464.h264ref: `-DSPEC_CPU_NO_INTTYPES -DWIN32`

Base Optimization Flags

C benchmarks:

```
-fast /F512000000 shlw32m.lib            -link /FORCE:MULTIPLE
```

C++ benchmarks:

```
-fast -Qcxx_features /F512000000 shlw32m.lib
            -link /FORCE:MULTIPLE
```

Base 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-ic91-flags.20090715.06.html`

You can also download the XML flags source by saving the following link:
`http://www.spec.org/cpu2006/flags/Intel-ic91-flags.20090715.06.xml`

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Tested with SPEC CPU2006 v1.0.
Report generated on Tue Jul 22 10:25:52 2014 by SPEC CPU2006 PS/PDF formatter v6932.
Originally published on 20 February 2007.