SPEC® CINT2006 Result

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Intel Corporation

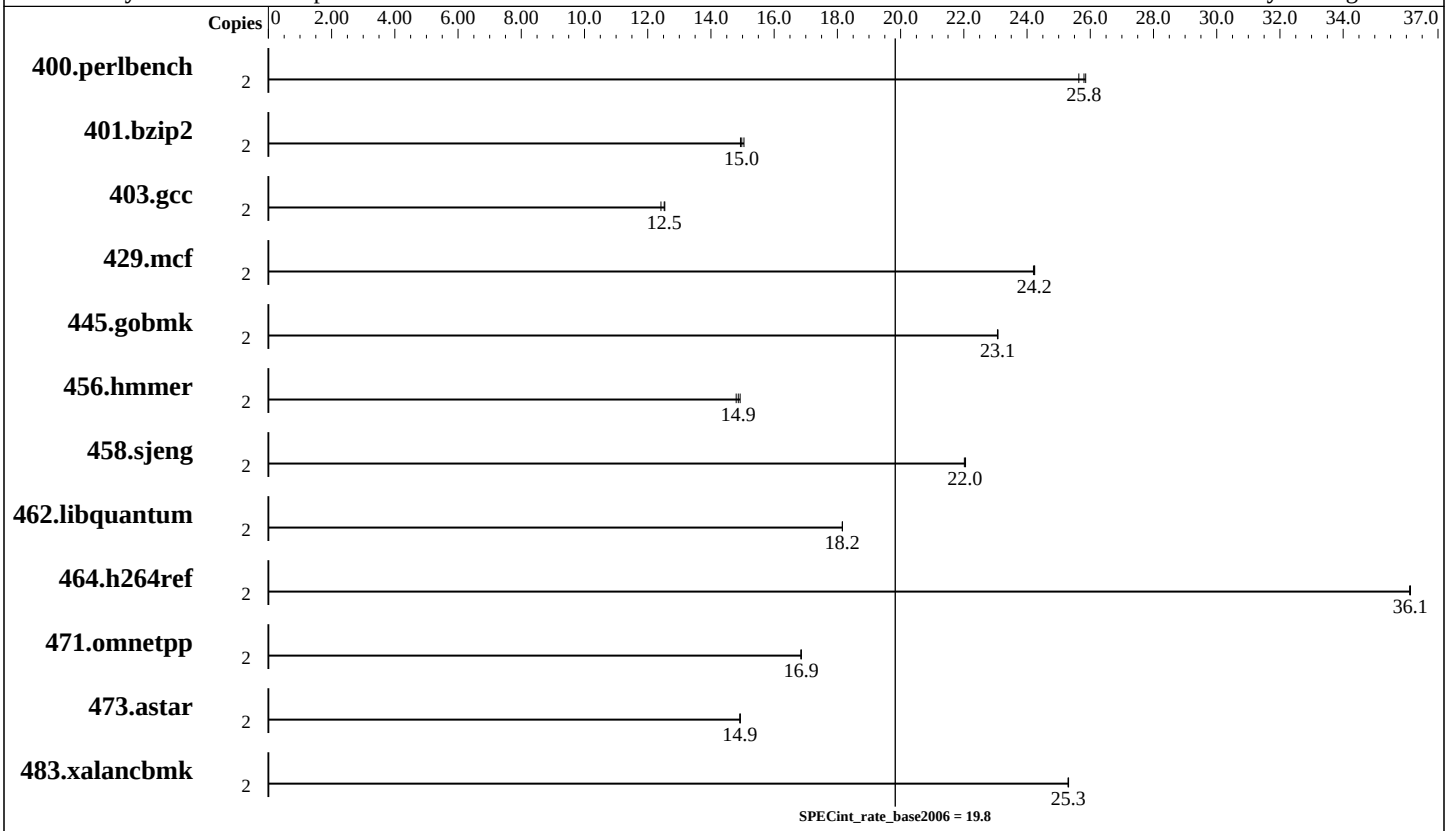
Intel DG965SS motherboard
(1.8 GHz, Intel Core 2 Duo processor E4300)

SPECint®_rate2006 = Not Run

SPECint_rate_base2006 = 19.8

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

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



Hardware

CPU Name:	Intel Core 2 Duo E4300
CPU Characteristics:	1.8 GHz, 800 MHz bus
CPU MHz:	1800
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:	2 MB I+D on chip per chip
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						
	Copies	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Copies	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio
400.perlbench	2	756	25.9	762	25.6	**757**	**25.8**							
401.bzip2	2	1292	14.9	**1289**	**15.0**	1283	15.0							
403.gcc	2	1284	12.5	**1286**	**12.5**	1296	12.4							
429.mcf	2	754	24.2	752	24.2	**753**	**24.2**							
445.gobmk	2	910	23.1	909	23.1	**909**	**23.1**							
456.hmmer	2	1261	14.8	**1255**	**14.9**	1250	14.9							
458.sjeng	2	1099	22.0	**1098**	**22.0**	1097	22.1							
462.libquantum	2	**2282**	**18.2**	2283	18.2	2282	18.2							
464.h264ref	2	1226	36.1	1225	36.1	**1225**	**36.1**							
471.omnetpp	2	742	16.8	742	16.9	**742**	**16.9**							
473.astar	2	**941**	**14.9**	941	14.9	940	14.9							
483.xalancbmk	2	545	25.3	**545**	**25.3**	545	25.3							

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/DG965SS/index.htm
The system bus runs at 800 MHz
```

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
```

Continued on next page

Base Optimization Flags (Continued)

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.20090715.04.html`

You can also download the XML flags source by saving the following link:
`http://www.spec.org/cpu2006/flags/Intel-ic91-flags.20090715.04.xml`

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Tested with SPEC CPU2006 v1.0.
Report generated on Tue Jul 22 10:16:30 2014 by SPEC CPU2006 PS/PDF formatter v6932.
Originally published on 6 February 2007.