SPEC® CINT2006 Result

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Intel Corporation

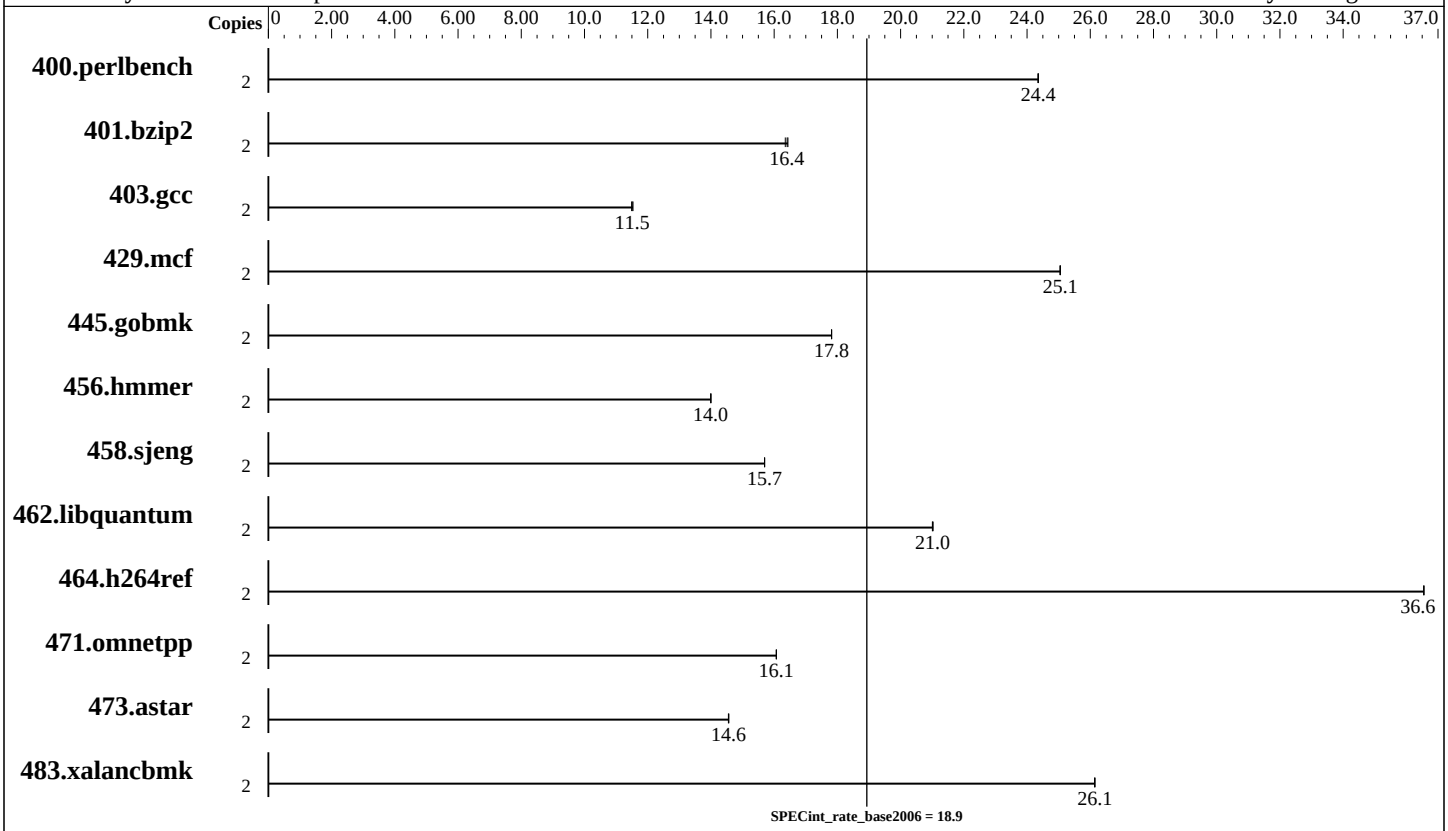
Intel DG965WH motherboard
(3.2 GHz, Intel Pentium D processor 940)

SPECint®_rate2006 = Not Run

SPECint_rate_base2006 = 18.9

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 940
CPU Characteristics:	3.20 GHz, 800 MHz bus
CPU MHz:	3200
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						
	Copies	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Copies	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio
400.perlbench	2	**802**	**24.4**	802	24.4	803	24.3							
401.bzip2	2	1180	16.4	**1176**	**16.4**	1174	16.4							
403.gcc	2	1401	11.5	1396	11.5	**1399**	**11.5**							
429.mcf	2	728	25.0	**728**	**25.1**	728	25.1							
445.gobmk	2	**1178**	**17.8**	1177	17.8	1178	17.8							
456.hmmer	2	1333	14.0	**1333**	**14.0**	1333	14.0							
458.sjeng	2	1541	15.7	1542	15.7	**1542**	**15.7**							
462.libquantum	2	1971	21.0	**1972**	**21.0**	1973	21.0							
464.h264ref	2	1211	36.6	**1211**	**36.6**	1211	36.6							
471.omnetpp	2	778	16.1	778	16.1	**778**	**16.1**							
473.astar	2	964	14.6	**964**	**14.6**	965	14.6							
483.xalancbmk	2	528	26.1	**528**	**26.1**	528	26.1							

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

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