



SPEC® CINT2006 Result

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Intel Corporation

Intel DG965WH motherboard
(2.8 GHz, Intel Pentium D processor 920)

SPECint®_rate2006 = Not Run

SPECint_rate_base2006 = 17.1

CPU2006 license: 13

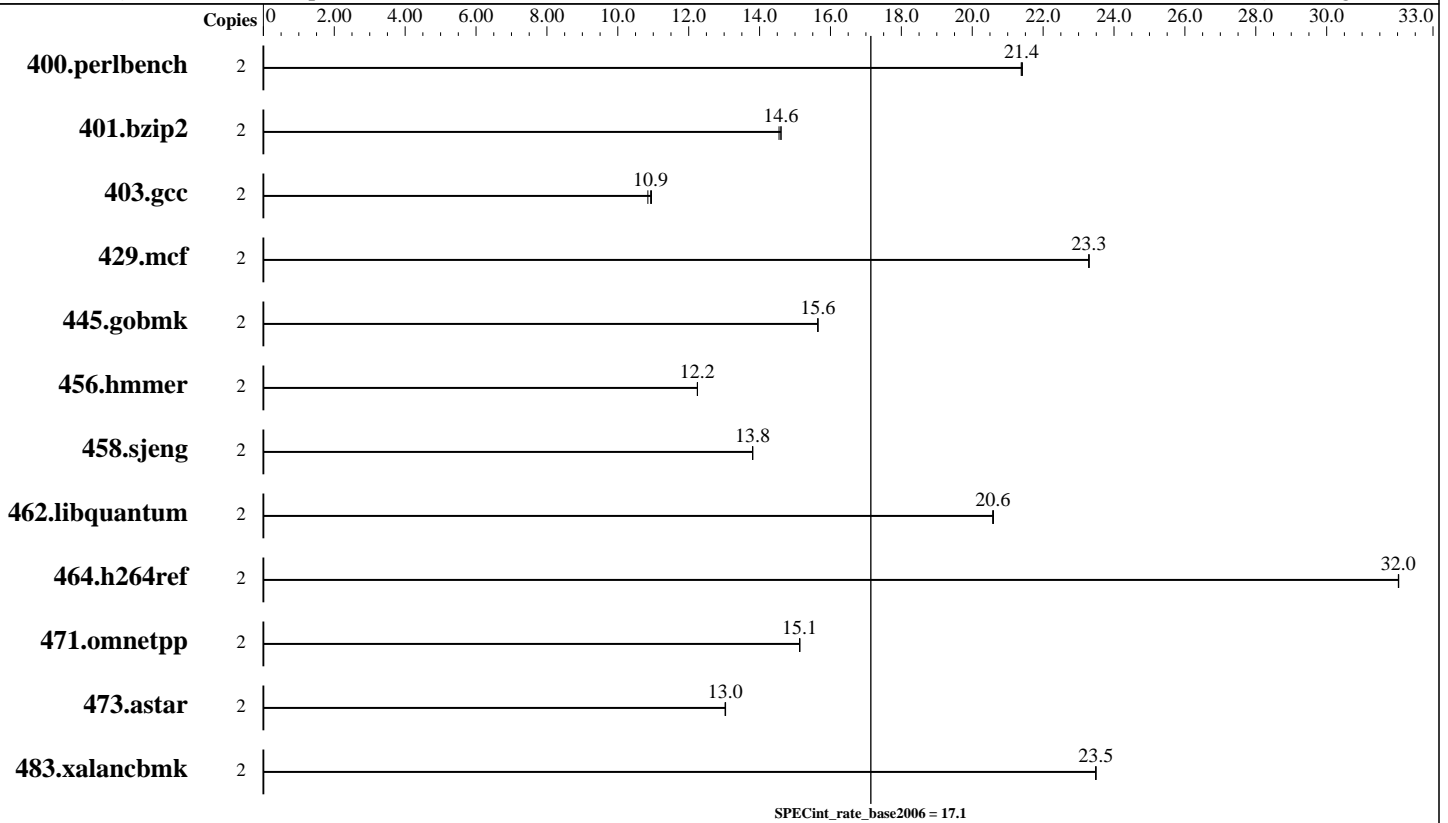
Test sponsor: Intel Corporation

Tested by: Intel Corporation

Test date: Jan-2007

Hardware Availability: Aug-2006

Software Availability: Aug-2006



Hardware

CPU Name: Intel Pentium D 920
 CPU Characteristics: 2.8 GHz, 800 MHz bus
 CPU MHz: 2800
 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	914	21.4	<u>913</u>	<u>21.4</u>	912	21.4							
401.bzip2	2	1327	14.5	1321	14.6	<u>1322</u>	<u>14.6</u>							
403.gcc	2	1470	10.9	<u>1474</u>	<u>10.9</u>	1484	10.8							
429.mcf	2	783	23.3	<u>783</u>	<u>23.3</u>	783	23.3							
445.gobmk	2	1341	15.6	1341	15.6	<u>1341</u>	<u>15.6</u>							
456.hammer	2	1524	12.2	<u>1524</u>	<u>12.2</u>	1523	12.2							
458.sjeng	2	1753	13.8	<u>1753</u>	<u>13.8</u>	1753	13.8							
462.libquantum	2	2014	20.6	2012	20.6	<u>2013</u>	<u>20.6</u>							
464.h264ref	2	<u>1382</u>	<u>32.0</u>	1382	32.0	1382	32.0							
471.omnetpp	2	826	15.1	826	15.1	<u>826</u>	<u>15.1</u>							
473.astar	2	1078	13.0	<u>1077</u>	<u>13.0</u>	1077	13.0							
483.xalancbmk	2	<u>587</u>	<u>23.5</u>	588	23.5	587	23.5							

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
```



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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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