



# SPEC<sup>®</sup> CINT2006 Result

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## Intel Corporation

Intel DG965WH motherboard  
(3.4 GHz, Intel Pentium D processor 950)

## SPECint<sup>®</sup>\_rate2006 = Not Run

## SPECint\_rate\_base2006 = 19.8

CPU2006 license: 13

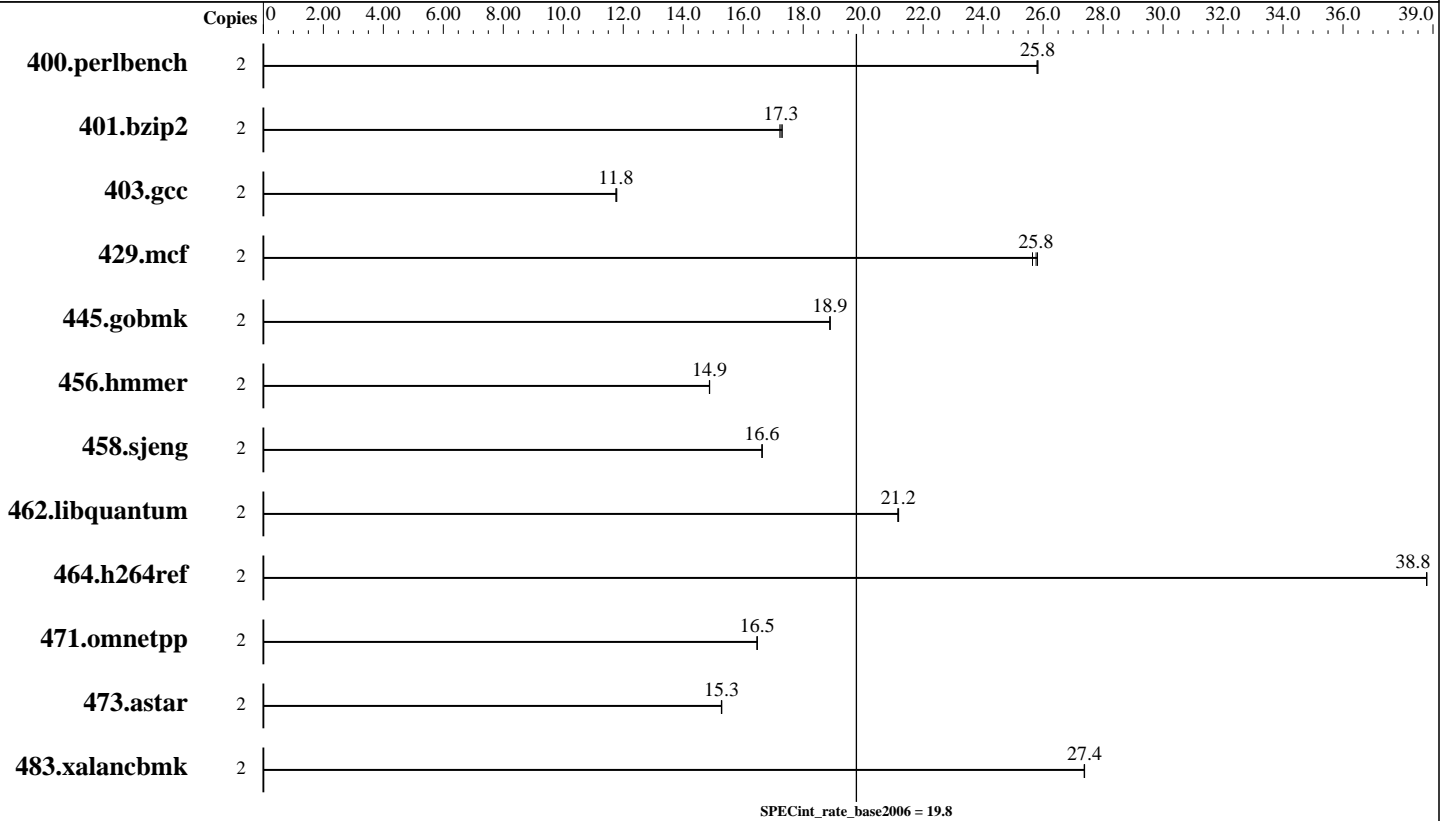
Test sponsor: Intel Corporation

Tested by: Intel Corporation

Test date: Jan-2007

Hardware Availability: Aug-2006

Software Availability: Aug-2006



### Hardware

CPU Name: Intel Pentium D 950  
 CPU Characteristics: 3.4 GHz, 800 MHz bus  
 CPU MHz: 3400  
 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	758	25.8	<u>757</u>	<u>25.8</u>	757	25.8							
401.bzip2	2	1121	17.2	<u>1118</u>	<u>17.3</u>	1115	17.3							
403.gcc	2	1366	11.8	<u>1369</u>	<u>11.8</u>	1369	11.8							
429.mcf	2	711	25.6	<u>708</u>	<u>25.8</u>	707	25.8							
445.gobmk	2	<u>1110</u>	<u>18.9</u>	1110	18.9	1111	18.9							
456.hammer	2	1254	14.9	1255	14.9	<u>1254</u>	<u>14.9</u>							
458.sjeng	2	1455	16.6	1455	16.6	<u>1455</u>	<u>16.6</u>							
462.libquantum	2	1959	21.2	1956	21.2	<u>1958</u>	<u>21.2</u>							
464.h264ref	2	1141	38.8	1141	38.8	<u>1141</u>	<u>38.8</u>							
471.omnetpp	2	759	16.5	<u>759</u>	<u>16.5</u>	759	16.5							
473.astar	2	919	15.3	<u>919</u>	<u>15.3</u>	919	15.3							
483.xalancbmk	2	504	27.4	504	27.4	<u>504</u>	<u>27.4</u>							

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](mailto:webmaster@spec.org).

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