



# 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

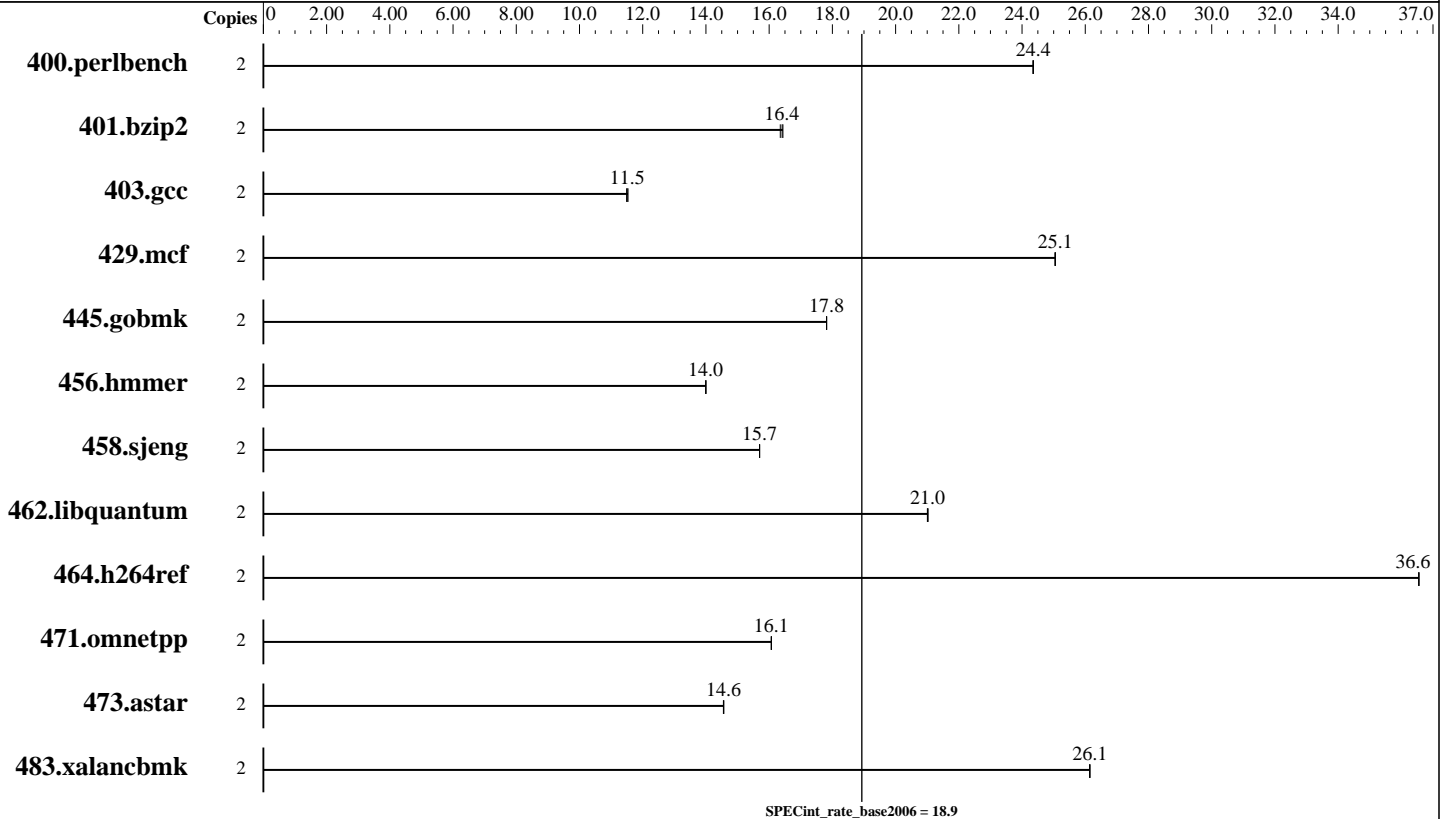
Test sponsor: Intel Corporation

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	<b>802</b>	<b>24.4</b>	802	24.4	803	24.3							
401.bzip2	2	1180	16.4	<b>1176</b>	<b>16.4</b>	1174	16.4							
403.gcc	2	1401	11.5	1396	11.5	<b>1399</b>	<b>11.5</b>							
429.mcf	2	728	25.0	<b>728</b>	<b>25.1</b>	728	25.1							
445.gobmk	2	<b>1178</b>	<b>17.8</b>	1177	17.8	1178	17.8							
456.hammer	2	1333	14.0	<b>1333</b>	<b>14.0</b>	1333	14.0							
458.sjeng	2	1541	15.7	1542	15.7	<b>1542</b>	<b>15.7</b>							
462.libquantum	2	1971	21.0	<b>1972</b>	<b>21.0</b>	1973	21.0							
464.h264ref	2	1211	36.6	<b>1211</b>	<b>36.6</b>	1211	36.6							
471.omnetpp	2	778	16.1	778	16.1	<b>778</b>	<b>16.1</b>							
473.astar	2	964	14.6	<b>964</b>	<b>14.6</b>	965	14.6							
483.xalancbmk	2	528	26.1	<b>528</b>	<b>26.1</b>	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
```



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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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