



# SPEC® CINT2006 Result

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## Intel Corporation

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

SPECint®2006 = **Not Run**

SPECint\_base2006 = **10.9**

CPU2006 license: 13

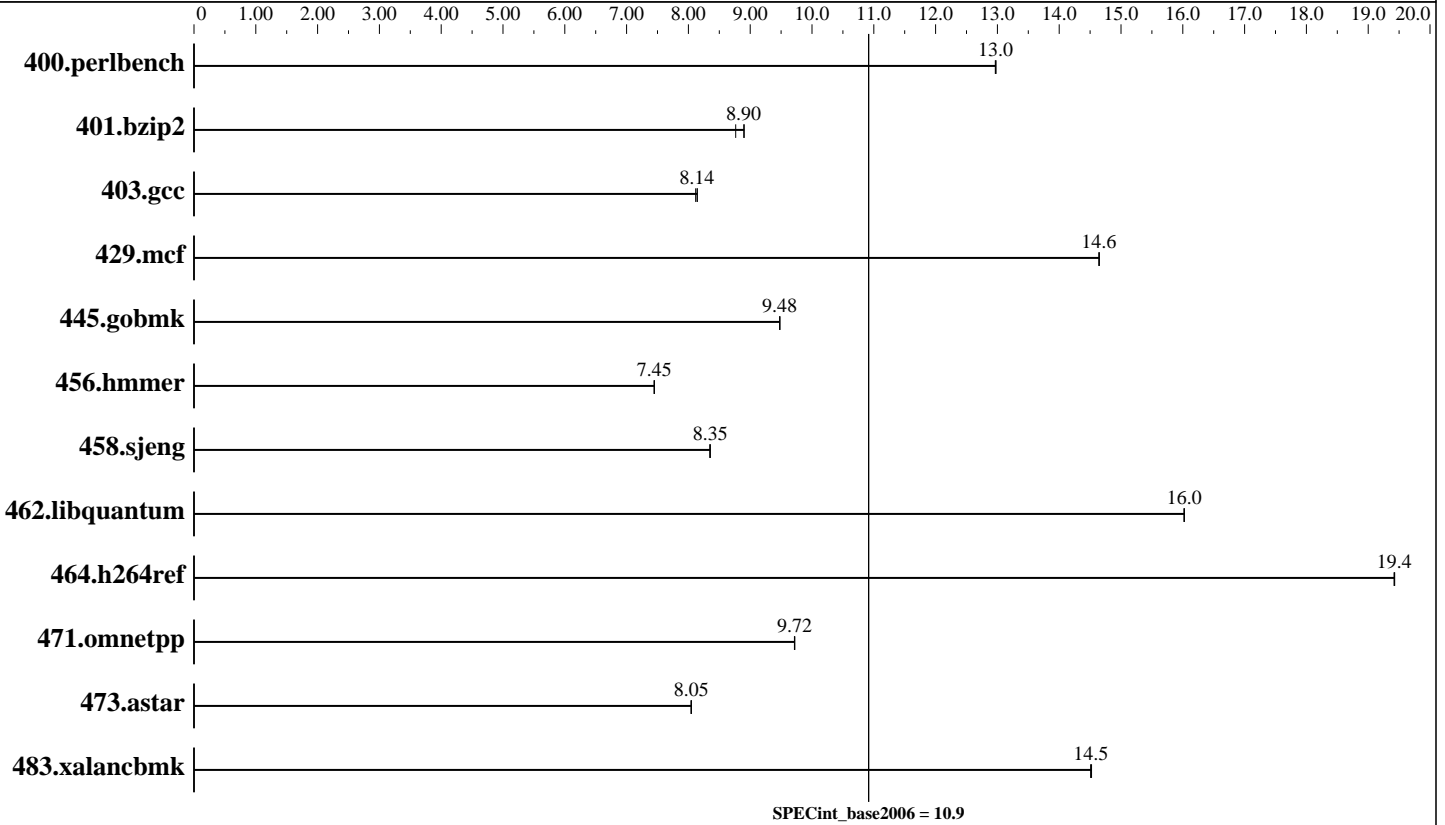
Test sponsor: Intel Corporation

Tested by: Intel Corporation

Test date: Jan-2007

Hardware Availability: Aug-2006

Software Availability: Aug-2006



### Hardware

CPU Name: Intel Pentium D 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					
	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio
400.perlbench	754	13.0	<b><u>753</u></b>	<b><u>13.0</u></b>	753	13.0						
401.bzip2	1084	8.90	1101	8.77	<b><u>1085</u></b>	<b><u>8.90</u></b>						
403.gcc	989	8.14	992	8.12	<b><u>989</u></b>	<b><u>8.14</u></b>						
429.mcf	623	14.6	623	14.6	<b><u>623</u></b>	<b><u>14.6</u></b>						
445.gobmk	<b><u>1107</u></b>	<b><u>9.48</u></b>	1107	9.48	1107	9.48						
456.hammer	1253	7.45	1253	7.45	<b><u>1253</u></b>	<b><u>7.45</u></b>						
458.sjeng	1450	8.35	<b><u>1449</u></b>	<b><u>8.35</u></b>	1449	8.35						
462.libquantum	<b><u>1293</u></b>	<b><u>16.0</u></b>	1293	16.0	1293	16.0						
464.h264ref	1140	19.4	1139	19.4	<b><u>1139</u></b>	<b><u>19.4</u></b>						
471.omnetpp	643	9.72	<b><u>643</u></b>	<b><u>9.72</u></b>	643	9.72						
473.astar	<b><u>873</u></b>	<b><u>8.05</u></b>	872	8.05	873	8.04						
483.xalancbmk	475	14.5	<b><u>475</u></b>	<b><u>14.5</u></b>	476	14.5						

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

## 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
```

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## 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.20090715.06.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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