



# SPEC<sup>®</sup> CINT2006 Result

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## Intel Corporation

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

SPECint<sup>®</sup>2006 = **Not Run**

SPECint\_base2006 = **10.4**

CPU2006 license: 13

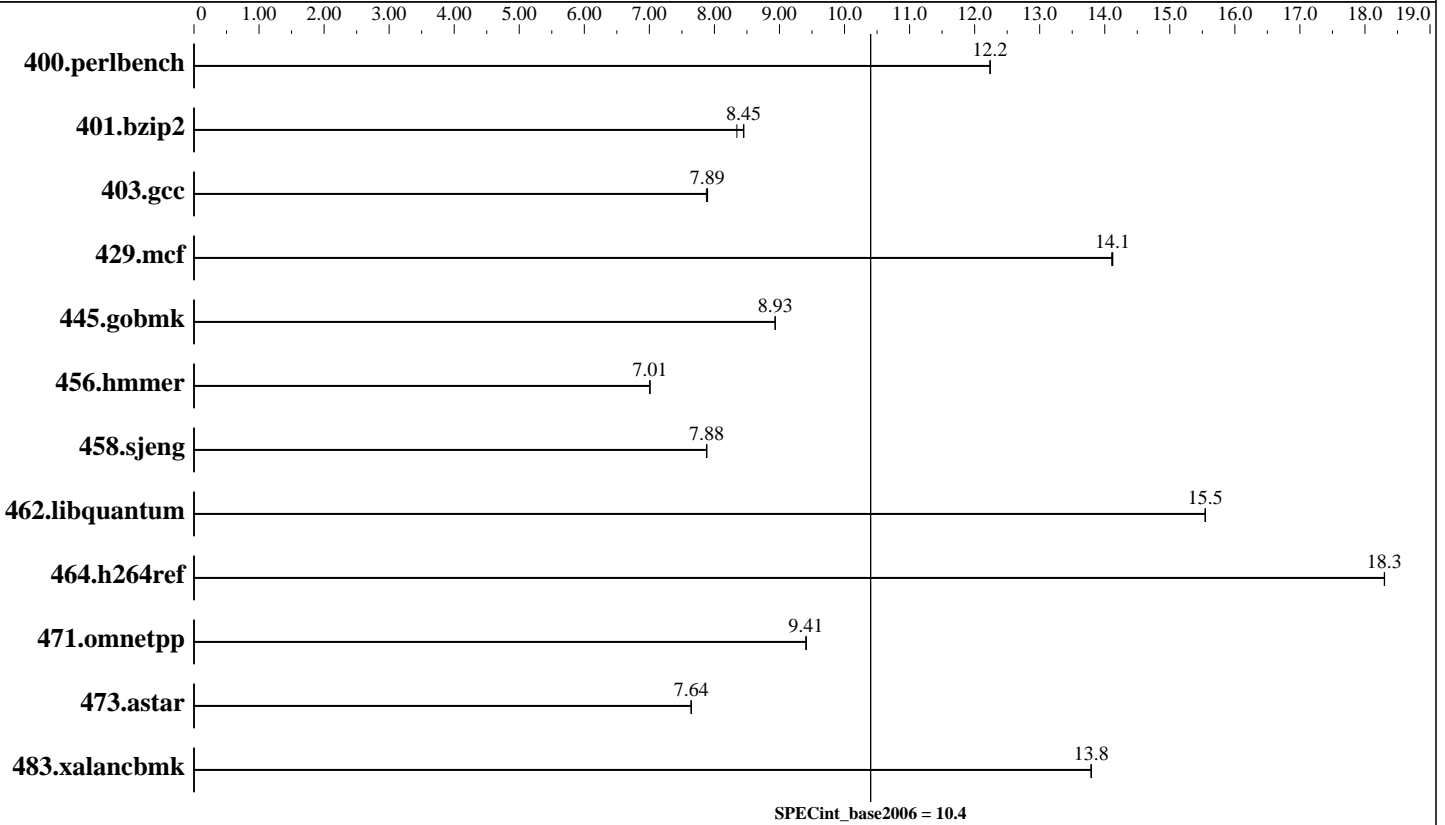
Test sponsor: Intel Corporation

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					
	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio
400.perlbench	798	12.2	798	12.2	<b><u>798</u></b>	<b><u>12.2</u></b>						
401.bzip2	<b><u>1142</u></b>	<b><u>8.45</u></b>	1142	8.45	1156	8.35						
403.gcc	1020	7.90	<b><u>1020</u></b>	<b><u>7.89</u></b>	1022	7.88						
429.mcf	<b><u>646</u></b>	<b><u>14.1</u></b>	646	14.1	646	14.1						
445.gobmk	1174	8.93	1174	8.94	<b><u>1174</u></b>	<b><u>8.93</u></b>						
456.hammer	<b><u>1331</u></b>	<b><u>7.01</u></b>	1331	7.01	1331	7.01						
458.sjeng	1536	7.88	1535	7.88	<b><u>1535</u></b>	<b><u>7.88</u></b>						
462.libquantum	<b><u>1333</u></b>	<b><u>15.5</u></b>	1333	15.5	1333	15.5						
464.h264ref	1209	18.3	<b><u>1209</u></b>	<b><u>18.3</u></b>	1209	18.3						
471.omnetpp	<b><u>664</u></b>	<b><u>9.41</u></b>	664	9.41	664	9.41						
473.astar	<b><u>918</u></b>	<b><u>7.64</u></b>	919	7.64	918	7.64						
483.xalancbmk	500	13.8	500	13.8	<b><u>500</u></b>	<b><u>13.8</u></b>						

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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