



# SPEC® CINT2006 Result

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**ASUS Computer International**

(Test Sponsor: Intel Corporation)

Asus M2N32-SLI Deluxe  
(AMD Athlon 64 FX-62)

**SPECint®2006 = Not Run**

**SPECint\_base2006 = 11.4**

**CPU2006 license:** 13

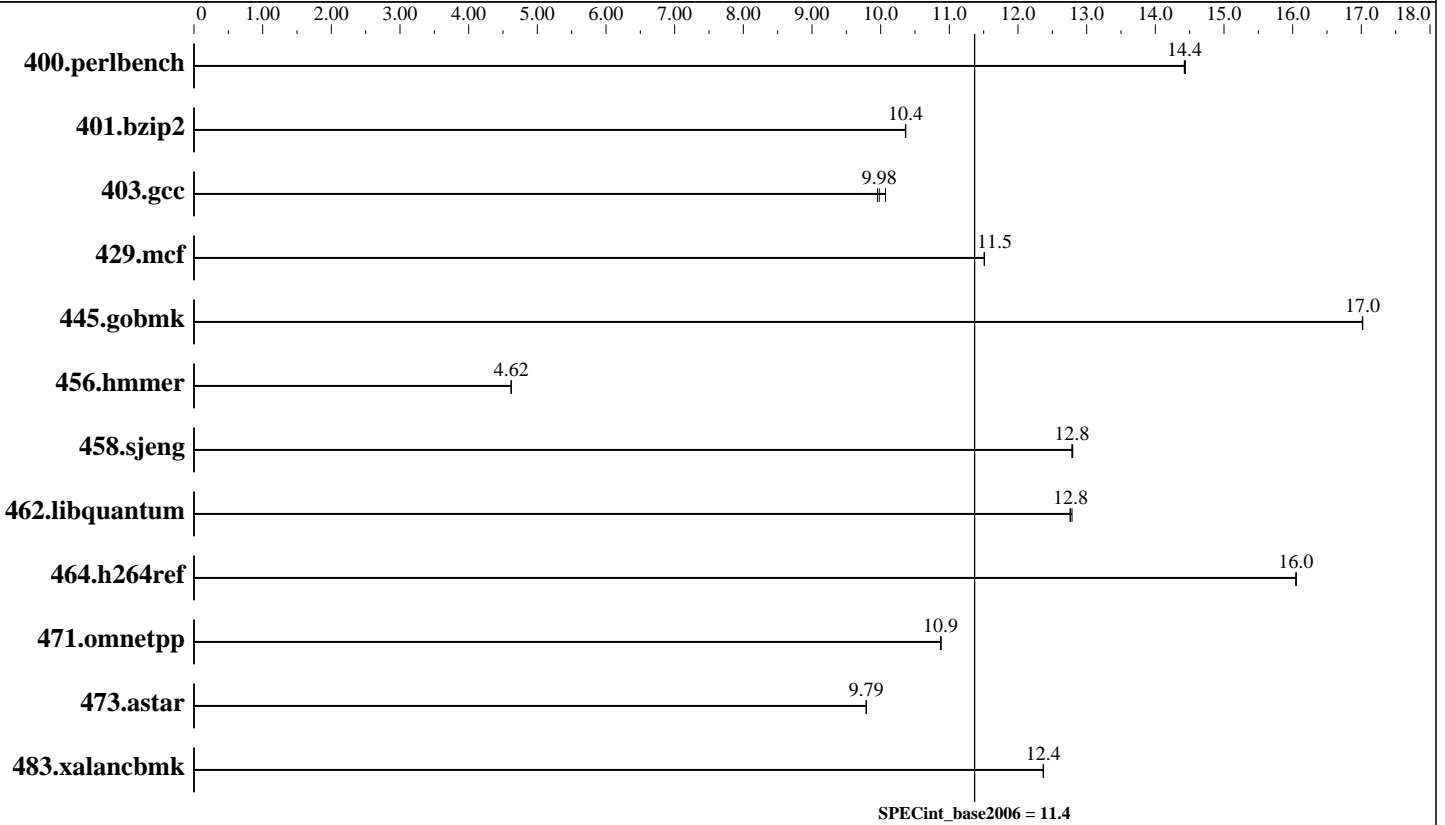
**Test sponsor:** Intel Corporation

**Tested by:** Intel Corporation

**Test date:** Aug-2006

**Hardware Availability:** Jul-2006

**Software Availability:** Aug-2006



## Hardware

CPU Name: AMD Athlon 64 FX-62  
 CPU Characteristics: 2.80 GHz, 2x1MB L2 per core  
 CPU MHz: 2800  
 FPU: Integrated  
 CPU(s) enabled: 2 cores, 1 chip, 2 cores/chip  
 CPU(s) orderable: 1 chip  
 Primary Cache: 64 KB I + 64 KB D on chip per core  
 Secondary Cache: 1 MB I+D on chip per core  
 L3 Cache: None  
 Other Cache: None  
 Memory: 2 GB (2 1GB Corsair TWIN2X2048-8500C5 DDR2 1066 CL5-5-5)  
 Disk Subsystem: Maxtor DiamondMax 10 6B300S0 300GB NCQ Serial ATA (7200 RPM, 16MB cache)  
 Other Hardware: None

## Software

Operating System: Windows XP Professional SP2 32-bit  
 Compiler: Intel C++ Compiler 9.1 for IA32 Build 20060816Z  
 Microsoft Visual Studio .Net 2003 (for libraries)  
 SmartHeap Library Version 8.0 from <http://www.microquill.com/>  
 Auto Parallel: No  
 File System: NTFS  
 System State: Default  
 Base Pointers: 32-bit  
 Peak Pointers: Not Applicable  
 Other Software: None



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## Results Table

Benchmark	Base						Peak					
	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio
400.perlbench	677	14.4	677	14.4	<b><u>677</u></b>	<b><u>14.4</u></b>						
401.bzip2	931	10.4	931	10.4	<b><u>931</u></b>	<b><u>10.4</u></b>						
403.gcc	809	9.95	799	10.1	<b><u>807</u></b>	<b><u>9.98</u></b>						
429.mcf	792	11.5	792	11.5	<b><u>792</u></b>	<b><u>11.5</u></b>						
445.gobmk	<b><u>616</u></b>	<b><u>17.0</u></b>	616	17.0	617	17.0						
456.hammer	2020	4.62	2019	4.62	<b><u>2019</u></b>	<b><u>4.62</u></b>						
458.sjeng	946	12.8	946	12.8	<b><u>946</u></b>	<b><u>12.8</u></b>						
462.libquantum	1624	12.8	1620	12.8	<b><u>1623</u></b>	<b><u>12.8</u></b>						
464.h264ref	1379	16.0	1379	16.1	<b><u>1379</u></b>	<b><u>16.0</u></b>						
471.omnetpp	<b><u>575</u></b>	<b><u>10.9</u></b>	575	10.9	574	10.9						
473.astar	717	9.79	<b><u>717</u></b>	<b><u>9.79</u></b>	717	9.79						
483.xalancbmk	558	12.4	558	12.4	<b><u>558</u></b>	<b><u>12.4</u></b>						

Results appear in the order in which they were run. Bold underlined text indicates a median measurement.

## General Notes

Memory timings set manually to DDR2-800 5-5-5-15 in the bios  
The SUT was built with a discrete PCIe graphics card (ATI Radeon X1900 XTX)  
and an ATX 550W power supply. The 2 DIMMs were configured in dual-channel mode.

## 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:  
-arch:SSE2 -Qprec-div- -O3 -Qipo /F512000000 shlw32m.lib  
-link /FORCE:MULTIPLE

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## Base Optimization Flags (Continued)

C++ benchmarks:

```
-arch:SSE2 -Qprec-div- -O3 -Qipo -Oi- -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.20090715.03.html>

You can also download the XML flags source by saving the following link:

<http://www.spec.org/cpu2006/flags/Intel-ic91-flags.20090715.03.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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