# SPEC® CINT2006 Result

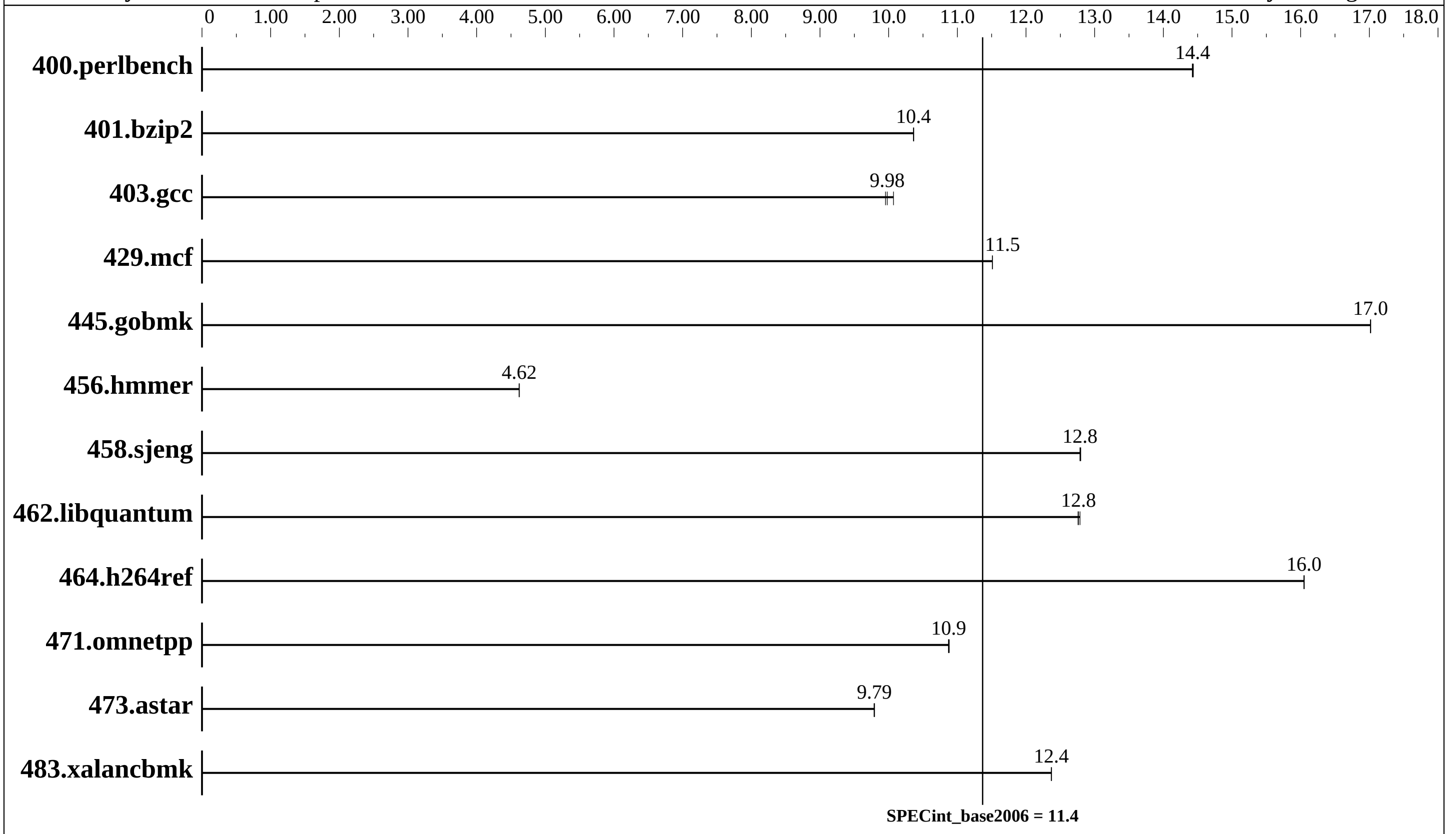


ASUS Computer International
(Test Sponsor: Intel Corporation)
Asus M2N32-SLI Deluxe
(AMD Athlon 64 FX-62)

SPECint®2006 = Not Run

SPECint_base2006 = 11.4

| | | | |
|---|---|---|---|
| **CPU2006 license:** | 13 | **Test date:** | Aug-2006 |
| **Test sponsor:** | Intel Corporation | **Hardware Availability:** | Jul-2006 |
| **Tested by:** | Intel Corporation | **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<br>Build 20060816Z<br>Microsoft Visual Studio .Net 2003 (for libraries)<br>SmartHeap Library Version 8.0 from<br>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 | **677** | **14.4** | | | | | | |
| 401.bzip2 | 931 | 10.4 | 931 | 10.4 | **931** | **10.4** | | | | | | |
| 403.gcc | 809 | 9.95 | 799 | 10.1 | **807** | **9.98** | | | | | | |
| 429.mcf | 792 | 11.5 | 792 | 11.5 | **792** | **11.5** | | | | | | |
| 445.gobmk | **616** | **17.0** | 616 | 17.0 | 617 | 17.0 | | | | | | |
| 456.hmmer | 2020 | 4.62 | 2019 | 4.62 | **2019** | **4.62** | | | | | | |
| 458.sjeng | 946 | 12.8 | 946 | 12.8 | **946** | **12.8** | | | | | | |
| 462.libquantum | 1624 | 12.8 | 1620 | 12.8 | **1623** | **12.8** | | | | | | |
| 464.h264ref | 1379 | 16.0 | 1379 | 16.1 | **1379** | **16.0** | | | | | | |
| 471.omnetpp | **575** | **10.9** | 575 | 10.9 | 574 | 10.9 | | | | | | |
| 473.astar | 717 | 9.79 | **717** | **9.79** | 717 | 9.79 | | | | | | |
| 483.xalancbmk | 558 | 12.4 | 558 | 12.4 | **558** | **12.4** | | | | | | |

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
```

Continued on next page

## 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



For questions about this result, please contact the tester.
For other inquiries, please contact webmaster@spec.org.

Tested with SPEC CPU2006 v1.0.
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