# SPEC® CINT2006 Result

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## Hewlett-Packard Company

(Test Sponsor: Intel Corporation)

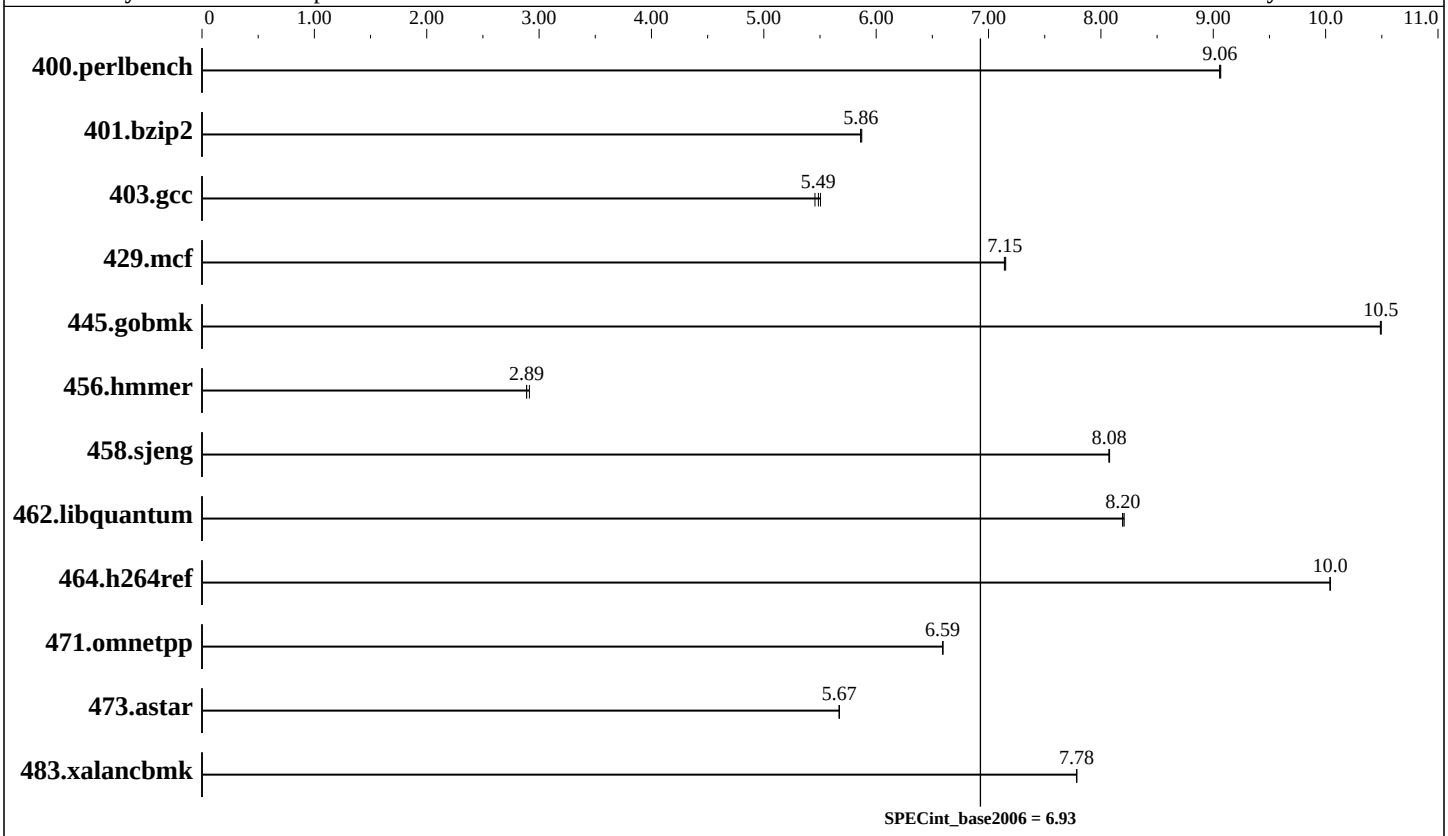
## Compaq 6515B (AMD Turion 64 X2 TL-56)

SPECint®2006 = Not Run

SPECint_base2006 = 6.93

**CPU2006 license:** 13
**Test sponsor:** Intel Corporation
**Tested by:** Intel Corporation

**Test date:** Jun-2007
**Hardware Availability:** Jun-2007
**Software Availability:** Feb-2007




### Hardware

| | |
|---|---|
| CPU Name: | AMD Turion 64 X2 TL-56 |
| CPU Characteristics: | 1.8 GHz 2x512KB L2 |
| CPU MHz: | 1800 |
| 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: | 512 KB I+D on chip per core |
| L3 Cache: | None |
| Other Cache: | None |
| Memory: | 2 GB (2x1GB Qimonda HYS64T128021HDL-3S-B DDR2-667 CL5) |
| Disk Subsystem: | Hitachi 100GB 5400rpm SATA HDD |
| Other Hardware: | None |

### Software

| | |
|---|---|
| Operating System: | Windows Vista32 Business |
| Compiler: | Intel C++ Compiler for IA32 version 9.1 Build no 20060816<br>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 | 1079 | 9.06 | 1078 | 9.07 | **1078** | **9.06** | | | | | | |
| 401.bzip2 | 1646 | 5.86 | **1645** | **5.86** | 1643 | 5.87 | | | | | | |
| 403.gcc | **1467** | **5.49** | 1476 | 5.46 | 1462 | 5.50 | | | | | | |
| 429.mcf | **1276** | **7.15** | 1275 | 7.15 | 1277 | 7.14 | | | | | | |
| 445.gobmk | **1000** | **10.5** | 1000 | 10.5 | 1000 | 10.5 | | | | | | |
| 456.hmmer | 3231 | 2.89 | **3229** | **2.89** | 3202 | 2.91 | | | | | | |
| 458.sjeng | 1499 | 8.07 | **1498** | **8.08** | 1498 | 8.08 | | | | | | |
| 462.libquantum | **2528** | **8.20** | 2529 | 8.19 | 2525 | 8.21 | | | | | | |
| 464.h264ref | 2204 | 10.0 | 2204 | 10.0 | **2204** | **10.0** | | | | | | |
| 471.omnetpp | **948** | **6.59** | 948 | 6.59 | 948 | 6.59 | | | | | | |
| 473.astar | 1238 | 5.67 | 1238 | 5.67 | **1238** | **5.67** | | | | | | |
| 483.xalancbmk | 886 | 7.79 | **886** | **7.78** | 887 | 7.78 | | | | | | |

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

## General Notes

```
Binaries built on Windows XP Professional w/ SP2
Vista Power Profile set to High Performance
```

## 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-ia32-flags.20090714.html`

You can also download the XML flags source by saving the following link:
`http://www.spec.org/cpu2006/flags/Intel-ic91-ia32-flags.20090714.xml`


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

Tested with SPEC CPU2006 v1.0.
Report generated on Tue Jul 22 12:41:15 2014 by SPEC CPU2006 PS/PDF formatter v6932.
Originally published on 8 August 2007.