# SPEC® CINT2006 Result

Copyright 2006-2014 Standard Performance Evaluation Corporation

## Bull SAS

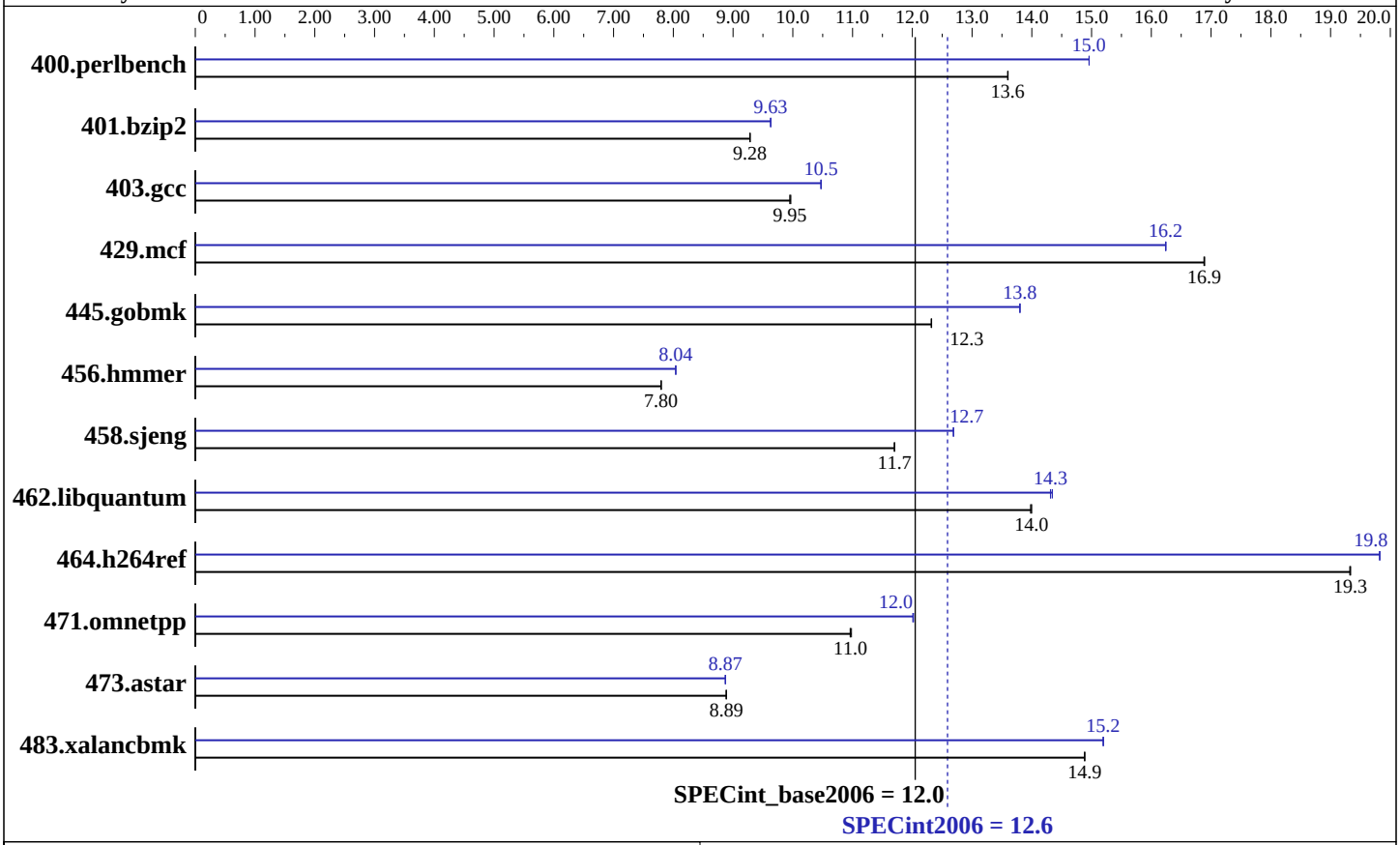
NovaScale T810 (Intel Xeon processor 3040,1.86GHz)

SPECint®2006 = 12.6

SPECint_base2006 = 12.0

**CPU2006 license:** 20
**Test sponsor:** Bull SAS
**Tested by:** Bull SAS

**Test date:** Mar-2007
**Hardware Availability:** Feb-2007
**Software Availability:** Dec-2006




### Hardware

| | |
|---|---|
| CPU Name: | Intel Xeon 3040 |
| CPU Characteristics: | 1.86 GHz, 4MB L2, 1066MHz bus |
| CPU MHz: | 1860 |
| FPU: | Integrated |
| CPU(s) enabled: | 1 core, 1 chip, 2 cores/chip |
| CPU(s) orderable: | 1 chip |
| Primary Cache: | 32 KB I + 32 KB D on chip per core |
| Secondary Cache: | 2 MB I+D on chip per chip |
| L3 Cache: | None |
| Other Cache: | None |
| Memory: | 8 GB (2GB DIMMx4, PC2-5300E ECC CL5) |
| Disk Subsystem: | 73 GB SAS, 10000RPM |
| Other Hardware: | None |

### Software

| | |
|---|---|
| Operating System: | Windows Server 2003 Enterprise Edition X64 Edition Service Pack1 |
| Compiler: | Intel C++ Compiler for IA32 version 9.1 Package ID W_CC_C_9.1.033 Build no 20061103Z Microsoft Visual Studio .NET 2003 (lib & linker) |
| Auto Parallel: | No |
| File System: | NTFS |
| System State: | Default |
| Base Pointers: | 32-bit |
| Peak Pointers: | 32-bit |
| Other Software: | MicroQuill SmartHeap Library 8.0 (shlW32M.lib) |

# SPEC CINT2006 Result

Copyright 2006-2014 Standard Performance Evaluation Corporation

## Bull SAS

NovaScale T810 (Intel Xeon processor 3040,1.86GHz)

SPECint2006 = 12.6

SPECint_base2006 = 12.0

**CPU2006 license:** 20
**Test sponsor:** Bull SAS
**Tested by:** Bull SAS

**Test date:** Mar-2007
**Hardware Availability:** Feb-2007
**Software Availability:** Dec-2006

## Results Table

| Benchmark | Base | | | | | | Peak | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Seconds | Ratio | Seconds | Ratio | Seconds | Ratio | Seconds | Ratio | Seconds | Ratio | Seconds | Ratio |
| 400.perlbench | 718 | 13.6 | **718** | **13.6** | 719 | 13.6 | 653 | 15.0 | 653 | 15.0 | **653** | **15.0** |
| 401.bzip2 | 1039 | 9.29 | 1040 | 9.28 | **1040** | **9.28** | **1002** | **9.63** | 1002 | 9.63 | 1002 | 9.63 |
| 403.gcc | 808 | 9.97 | **809** | **9.95** | 809 | 9.95 | 768 | 10.5 | **769** | **10.5** | 769 | 10.5 |
| 429.mcf | **540** | **16.9** | 540 | 16.9 | 540 | 16.9 | 561 | 16.2 | 562 | 16.2 | **562** | **16.2** |
| 445.gobmk | 852 | 12.3 | **851** | **12.3** | 851 | 12.3 | 760 | 13.8 | **760** | **13.8** | 760 | 13.8 |
| 456.hmmer | **1197** | **7.80** | 1197 | 7.80 | 1197 | 7.80 | 1160 | 8.04 | 1160 | 8.04 | **1160** | **8.04** |
| 458.sjeng | **1034** | **11.7** | 1034 | 11.7 | 1034 | 11.7 | 954 | 12.7 | 954 | 12.7 | **954** | **12.7** |
| 462.libquantum | **1481** | **14.0** | 1481 | 14.0 | 1482 | 14.0 | 1444 | 14.3 | **1447** | **14.3** | 1448 | 14.3 |
| 464.h264ref | 1145 | 19.3 | **1145** | **19.3** | 1145 | 19.3 | 1116 | 19.8 | **1116** | **19.8** | 1117 | 19.8 |
| 471.omnetpp | 569 | 11.0 | **570** | **11.0** | 570 | 11.0 | 520 | 12.0 | **520** | **12.0** | 520 | 12.0 |
| 473.astar | **790** | **8.89** | 790 | 8.89 | 790 | 8.89 | 791 | 8.88 | 792 | 8.87 | **791** | **8.87** |
| 483.xalancbmk | 464 | 14.9 | 464 | 14.9 | **464** | **14.9** | **454** | **15.2** | 454 | 15.2 | 454 | 15.2 |

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

## General Notes

```
Other Configuration Notes
/NUMPROC=1 flag was added to boot.ini to invoke
uniprocessor environment
```

## Base Compiler Invocation

C benchmarks:

```
icl -Qvc7.1 -Qc99
```

C++ benchmarks:

```
icl -Qvc7.1
```

## Base Portability Flags

403.gcc: `-DSPEC_CPU_WIN32`

Continued on next page

## Base Portability Flags (Continued)

464.h264ref: `-DSPEC_CPU_NO_INTTYPES -DWIN32`

## 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`

## Peak Compiler Invocation

C benchmarks:
`icl -Qvc7.1 -Qc99`

C++ benchmarks:
`icl -Qvc7.1`

## Peak Portability Flags

403.gcc: `-DSPEC_CPU_WIN32`
464.h264ref: `-DSPEC_CPU_NO_INTTYPES -DWIN32`

## Peak Optimization Flags

C benchmarks:
`-Qprof_gen`(pass 1) `-Qprof_use`(pass 2) `-fast /F512000000 shlw32m.lib -link /FORCE:MULTIPLE`

C++ benchmarks:
`-Qprof_gen`(pass 1) `-Qprof_use`(pass 2) `-fast -Qcxx_features /F512000000 shlw32m.lib -link /FORCE:MULTIPLE`

## Peak 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/flags.20090714.00.html`

You can also download the XML flags source by saving the following link:
`http://www.spec.org/cpu2006/flags/flags.20090714.00.xml`


SPEC and SPECint are registered trademarks of the Standard Performance Evaluation Corporation. All other brand and product names appearing in this result are trademarks or registered trademarks of their respective holders.


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 11:58:01 2014 by SPEC CPU2006 PS/PDF formatter v6932.
Originally published on 17 April 2007.