# SPEC® CINT2006 Result

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## Bull SAS

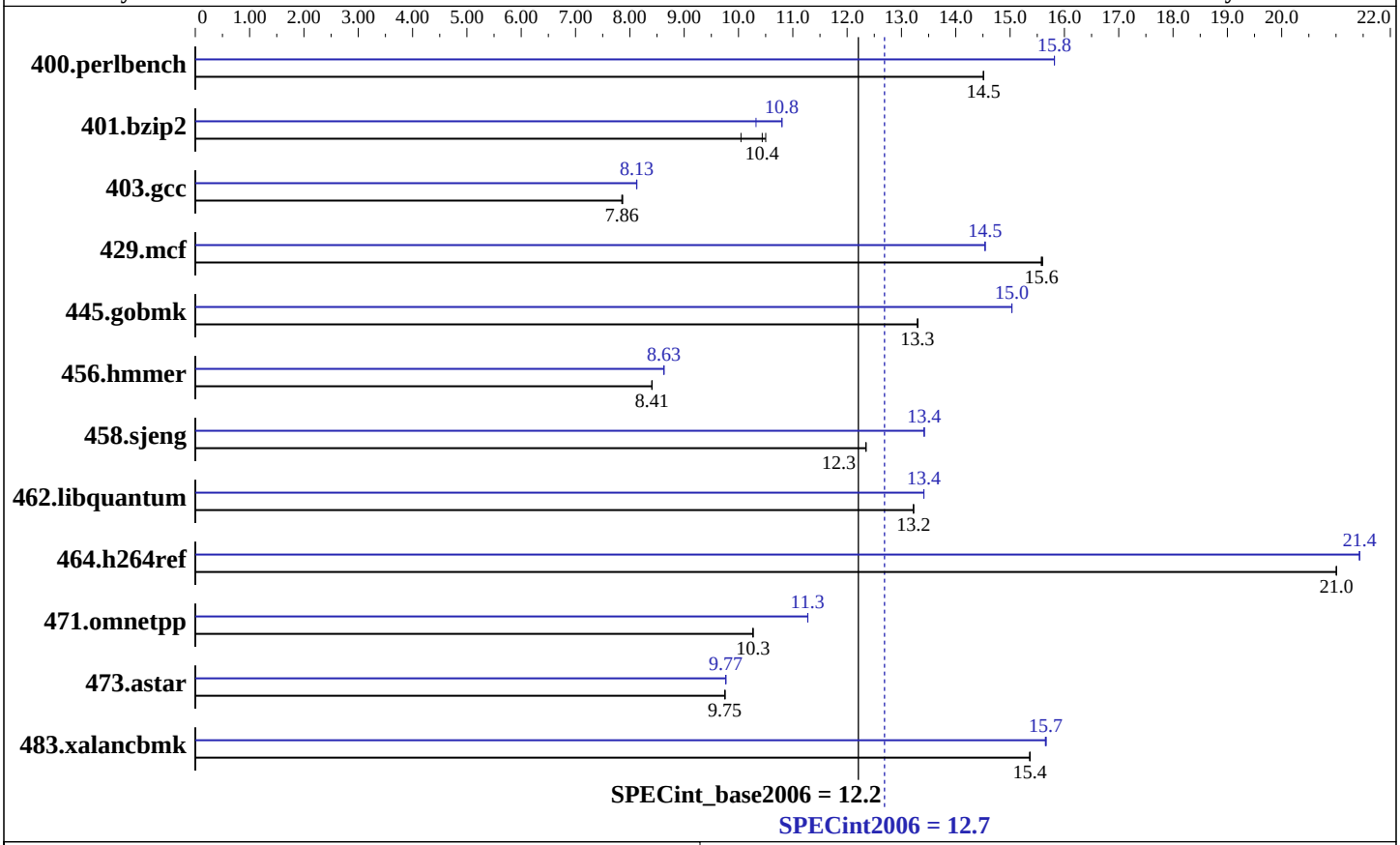
NovaScale B260 (Intel Xeon processor 5130,2.0GHz)

SPECint®2006 = 12.7

SPECint_base2006 = 12.2

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

**Test date:** Dec-2006
**Hardware Availability:** Dec-2006
**Software Availability:** Dec-2006




### Hardware

| | |
|---|---|
| CPU Name: | Intel Xeon 5130 |
| CPU Characteristics: | 2.0 GHz, 4MB L2, 1333MHz bus |
| CPU MHz: | 2000 |
| FPU: | Integrated |
| CPU(s) enabled: | 1 core, 1 chip, 2 cores/chip |
| CPU(s) orderable: | 1 to 2 chips |
| Primary Cache: | 32 KB I + 32 KB D on chip per core |
| Secondary Cache: | 4 MB I+D on chip per chip |
| L3 Cache: | None |
| Other Cache: | None |
| Memory: | 8 GB (2GB DIMMx4, FB-DIMM PC2-5300F ECC CL5) |
| Disk Subsystem: | 73 GB SAS, 10000RPM |
| Other Hardware: | None |

### Software

| | |
|---|---|
| Operating System: | Windows Server 2003 Enterprise Edition (32 bits) 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) |

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## Results Table

| Benchmark | Base | | | | | | Peak | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Seconds | Ratio | Seconds | Ratio | Seconds | Ratio | Seconds | Ratio | Seconds | Ratio | Seconds | Ratio |
| 400.perlbench | 673 | 14.5 | 673 | 14.5 | **673** | **14.5** | 618 | 15.8 | **618** | **15.8** | 618 | 15.8 |
| 401.bzip2 | **925** | **10.4** | 961 | 10.0 | 919 | 10.5 | 894 | 10.8 | 935 | 10.3 | **894** | **10.8** |
| 403.gcc | 1023 | 7.87 | 1025 | 7.85 | **1024** | **7.86** | **991** | **8.13** | 990 | 8.13 | 991 | 8.12 |
| 429.mcf | 585 | 15.6 | **585** | **15.6** | 586 | 15.6 | 627 | 14.5 | 627 | 14.5 | **627** | **14.5** |
| 445.gobmk | **789** | **13.3** | 789 | 13.3 | 789 | 13.3 | 698 | 15.0 | **698** | **15.0** | 698 | 15.0 |
| 456.hmmer | **1110** | **8.41** | 1110 | 8.41 | 1110 | 8.41 | 1082 | 8.63 | **1081** | **8.63** | 1081 | 8.63 |
| 458.sjeng | **980** | **12.3** | 980 | 12.3 | 980 | 12.3 | 902 | 13.4 | **902** | **13.4** | 902 | 13.4 |
| 462.libquantum | 1567 | 13.2 | **1567** | **13.2** | 1567 | 13.2 | **1545** | **13.4** | 1545 | 13.4 | 1545 | 13.4 |
| 464.h264ref | 1053 | 21.0 | **1053** | **21.0** | 1054 | 21.0 | 1032 | 21.4 | **1032** | **21.4** | 1033 | 21.4 |
| 471.omnetpp | 609 | 10.3 | **609** | **10.3** | 609 | 10.3 | 554 | 11.3 | 554 | 11.3 | **554** | **11.3** |
| 473.astar | 720 | 9.75 | **720** | **9.75** | 720 | 9.75 | 719 | 9.77 | 719 | 9.77 | **719** | **9.77** |
| 483.xalancbmk | 449 | 15.4 | **449** | **15.4** | 449 | 15.4 | 440 | 15.7 | 441 | 15.6 | **441** | **15.7** |

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`
464.h264ref: `-DSPEC_CPU_NO_INTTYPES -DWIN32`

## Base Optimization Flags

C benchmarks:

```
-fast /F512000000 shlw32m.lib            -link /FORCE:MULTIPLE
```

Continued on next page

## Base Optimization Flags (Continued)

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


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

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