



# SPEC® CINT2006 Result

Copyright 2006-2014 Standard Performance Evaluation Corporation

## Bull SAS

NovaScale T860  
(Intel Xeon processor E5310,1.60GHz)

SPECint®2006 = 10.4

SPECint\_base2006 = 9.99

CPU2006 license: 20

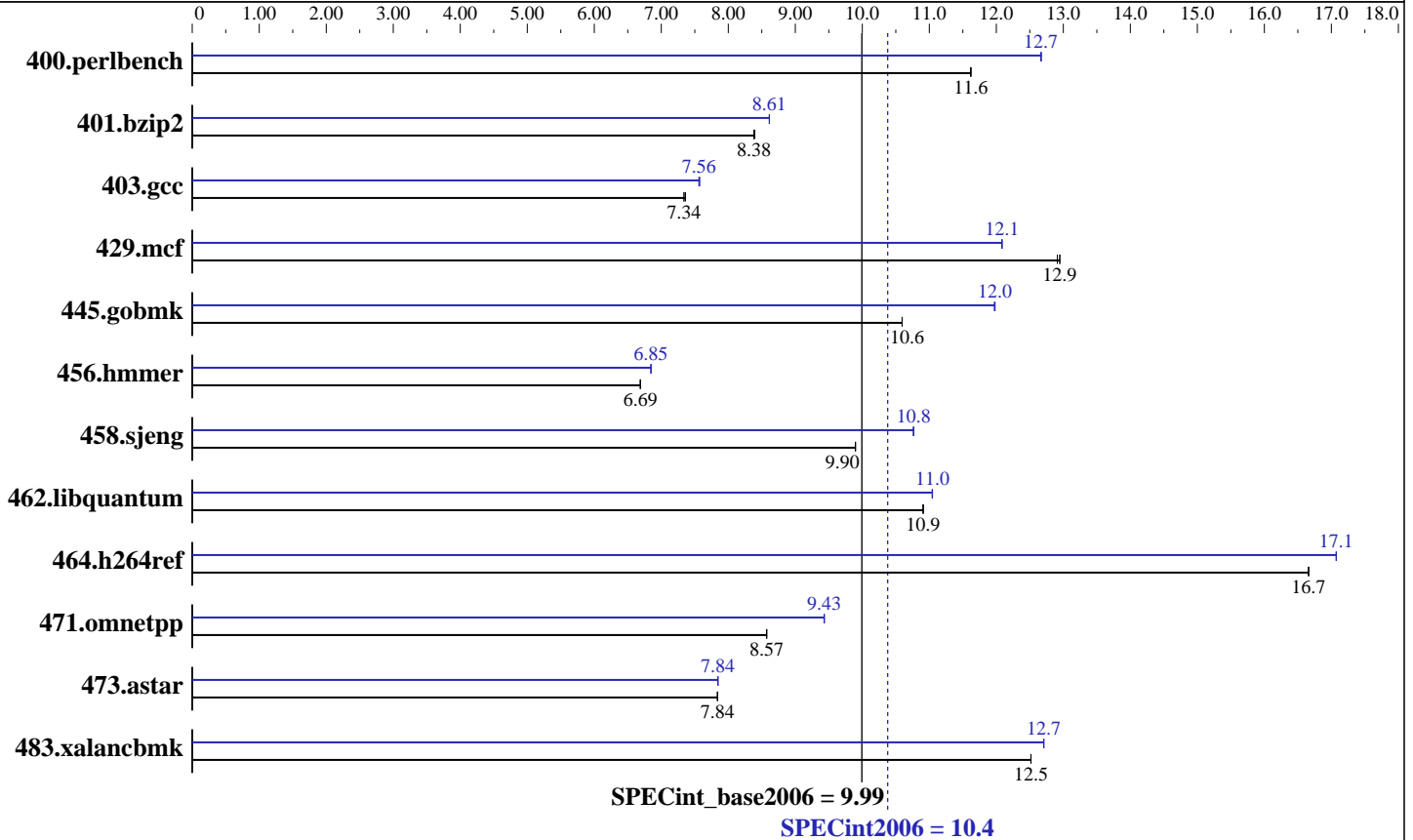
Test sponsor: Bull SAS

Tested by: Bull SAS

Test date: May-2007

Hardware Availability: Feb-2007

Software Availability: Dec-2006



### Hardware

CPU Name: Intel Xeon E5310  
 CPU Characteristics: 1.60 GHz, 8 MB L2, 1066 MHz system bus  
 CPU MHz: 1600  
 FPU: Integrated  
 CPU(s) enabled: 1 core, 1 chip, 4 cores/chip  
 CPU(s) orderable: 1 to 2 chips  
 Primary Cache: 32 KB I + 32 KB D on chip per core  
 Secondary Cache: 8 MB I+D on chip per chip, 4 MB shared / 2 cores  
 L3 Cache: None  
 Other Cache: None  
 Memory: 24 GB (12x2 GB) FB-DIMM PC2-5300F ECC CL5  
 Disk Subsystem: 1x147 GB SAS, 15000 RPM  
 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 (shIW32M.lib)



# SPEC CINT2006 Result

Copyright 2006-2014 Standard Performance Evaluation Corporation

## Bull SAS

NovaScale T860  
(Intel Xeon processor E5310,1.60GHz)

SPECint2006 = 10.4

SPECint\_base2006 = 9.99

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

Test date: May-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	841	11.6	841	11.6	<u>841</u>	<u>11.6</u>	771	12.7	771	12.7	<u>771</u>	<u>12.7</u>
401.bzip2	1149	8.40	1151	8.38	<u>1151</u>	<u>8.38</u>	1120	8.61	<u>1120</u>	<u>8.61</u>	1121	8.61
403.gcc	1094	7.36	1097	7.34	<u>1097</u>	<u>7.34</u>	1063	7.57	<u>1064</u>	<u>7.56</u>	1064	7.56
429.mcf	706	12.9	<u>705</u>	<u>12.9</u>	704	12.9	<u>755</u>	<u>12.1</u>	755	12.1	755	12.1
445.gobmk	990	10.6	990	10.6	<u>990</u>	<u>10.6</u>	876	12.0	876	12.0	<u>876</u>	<u>12.0</u>
456.hammer	1395	6.69	1395	6.69	<u>1395</u>	<u>6.69</u>	<u>1363</u>	<u>6.85</u>	1363	6.85	1363	6.85
458.sjeng	1222	9.90	1223	9.90	<u>1223</u>	<u>9.90</u>	<u>1124</u>	<u>10.8</u>	1125	10.8	1124	10.8
462.libquantum	1899	10.9	1900	10.9	<u>1899</u>	<u>10.9</u>	<u>1876</u>	<u>11.0</u>	1876	11.0	1877	11.0
464.h264ref	<u>1328</u>	<u>16.7</u>	1328	16.7	1328	16.7	<u>1296</u>	<u>17.1</u>	1296	17.1	1296	17.1
471.omnetpp	729	8.57	729	8.58	<u>729</u>	<u>8.57</u>	663	9.43	<u>663</u>	<u>9.43</u>	662	9.43
473.astar	895	7.84	<u>896</u>	<u>7.84</u>	896	7.84	<u>895</u>	<u>7.84</u>	895	7.84	895	7.85
483.xalancbmk	<u>551</u>	<u>12.5</u>	551	12.5	551	12.5	<u>543</u>	<u>12.7</u>	543	12.7	543	12.7

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

## Operating System Notes

/NUMPROC=1 flags was added to boot.ini to invoke the uniprocessor environment

## General Notes

## 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



# SPEC CINT2006 Result

Copyright 2006-2014 Standard Performance Evaluation Corporation

## Bull SAS

NovaScale T860  
(Intel Xeon processor E5310,1.60GHz)

SPECint2006 = 10.4

SPECint\_base2006 = 9.99

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

Test date: May-2007  
Hardware Availability: Feb-2007  
Software Availability: Dec-2006

## 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:

Continued on next page



# SPEC CINT2006 Result

Copyright 2006-2014 Standard Performance Evaluation Corporation

## Bull SAS

NovaScale T860  
(Intel Xeon processor E5310,1.60GHz)

SPECint2006 = 10.4

SPECint\_base2006 = 9.99

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

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

## Peak Other Flags (Continued)

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](mailto:webmaster@spec.org).

Tested with SPEC CPU2006 v1.0.  
Report generated on Tue Jul 22 11:21:59 2014 by SPEC CPU2006 PS/PDF formatter v6932.  
Originally published on 26 June 2007.