SPEC® CINT2006 Result

Copyright 2006-2014 Standard Performance Evaluation Corporation

Bull SAS

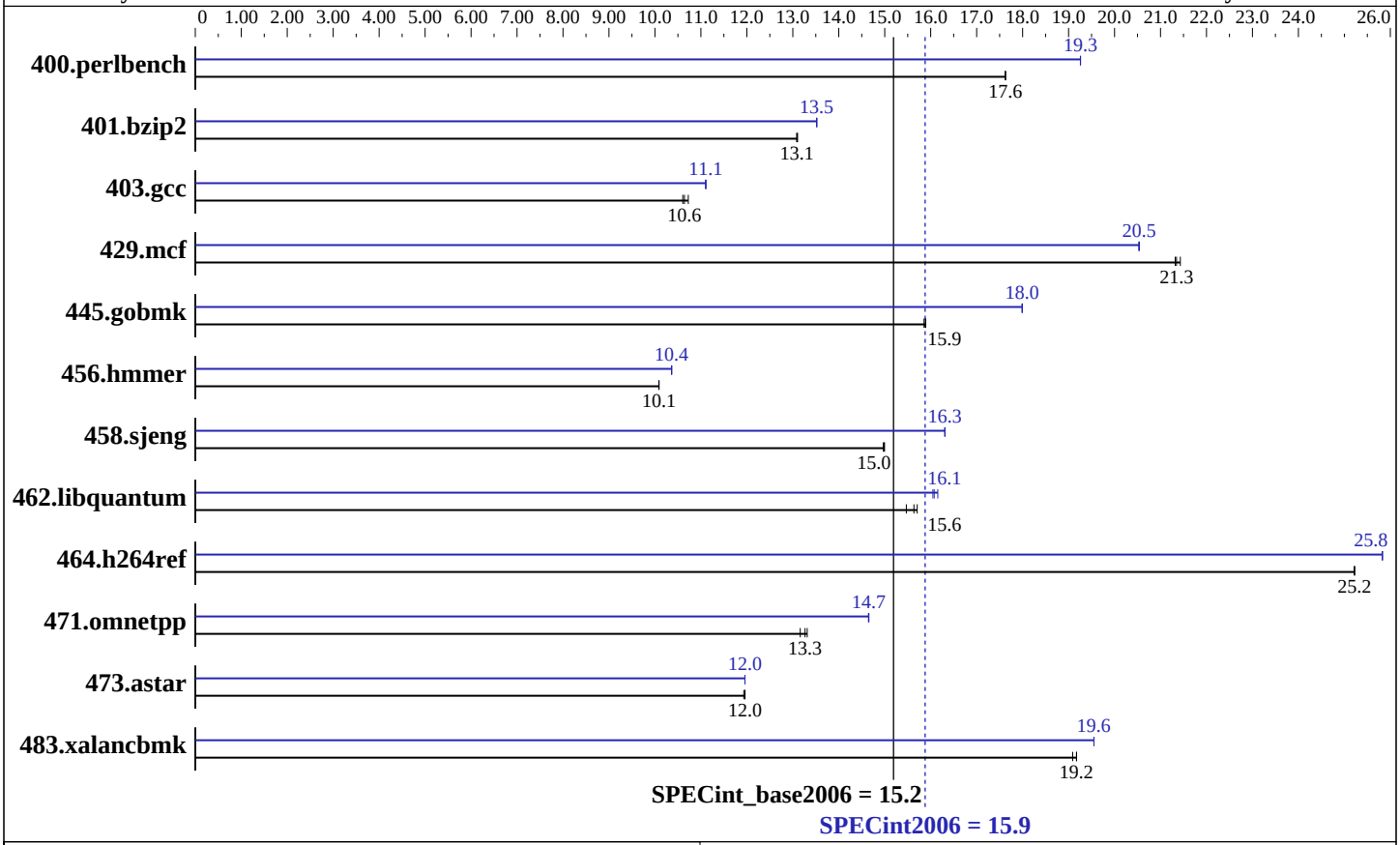
NovaScale T810 (Intel Xeon processor X3220,2.4GHz)

SPECint®2006 = 15.9

SPECint_base2006 = 15.2

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

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



Hardware

CPU Name:	Intel Xeon X3220
CPU Characteristics:	2.4GHz, 2x4 MB L2 shared, 1066 MHz system bus
CPU MHz:	2400
FPU:	Integrated
CPU(s) enabled:	1 core, 1 chip, 4 cores/chip
CPU(s) orderable:	1 chip
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:	8 GB (2GB DIMMx4, PC2-5300E ECC CL5)
Disk Subsystem:	2x73 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 X3220,2.4GHz)

SPECint2006 = 15.9

SPECint_base2006 = 15.2

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

Test date: Apr-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	554	17.6	554	17.6	**554**	**17.6**	507	19.3	507	19.3	**507**	**19.3**
401.bzip2	737	13.1	**737**	**13.1**	736	13.1	714	13.5	714	13.5	**714**	**13.5**
403.gcc	759	10.6	**756**	**10.6**	751	10.7	725	11.1	725	11.1	**725**	**11.1**
429.mcf	**427**	**21.3**	428	21.3	426	21.4	444	20.5	**444**	**20.5**	444	20.5
445.gobmk	662	15.9	**660**	**15.9**	660	15.9	583	18.0	**583**	**18.0**	583	18.0
456.hmmer	925	10.1	925	10.1	**925**	**10.1**	900	10.4	**900**	**10.4**	900	10.4
458.sjeng	808	15.0	807	15.0	**807**	**15.0**	**742**	**16.3**	742	16.3	742	16.3
462.libquantum	1339	15.5	**1325**	**15.6**	1319	15.7	1283	16.2	1291	16.0	**1289**	**16.1**
464.h264ref	878	25.2	**877**	**25.2**	877	25.2	857	25.8	857	25.8	**857**	**25.8**
471.omnetpp	475	13.2	**471**	**13.3**	469	13.3	**427**	**14.7**	426	14.7	427	14.6
473.astar	588	11.9	587	12.0	**587**	**12.0**	587	12.0	**587**	**12.0**	587	12.0
483.xalancbmk	361	19.1	360	19.2	**360**	**19.2**	353	19.6	353	19.6	**353**	**19.6**

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 11:27:14 2014 by SPEC CPU2006 PS/PDF formatter v6932.
Originally published on 1 May 2007.