SPEC® CINT2006 Result

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Bull SAS

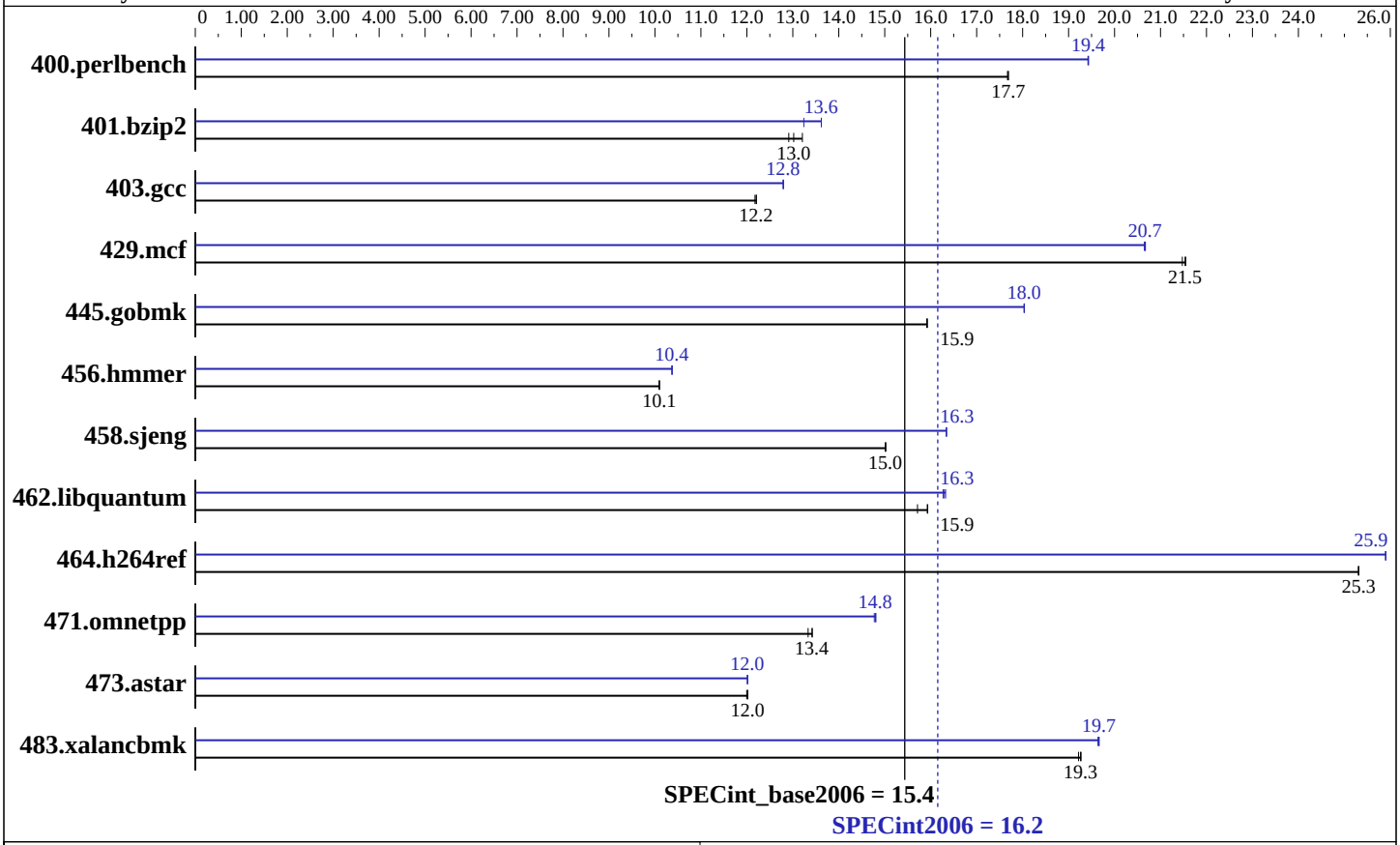
NovaScale T810 (Intel Xeon processor 3060,2.40GHz)

SPECint®2006 = 16.2

SPECint_base2006 = 15.4

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 3060
CPU Characteristics:	2.40 GHz, 4MB L2, 1066MHz bus
CPU MHz:	2400
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:	4 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)

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Results Table

Benchmark	Base						Peak					
	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio
400.perlbench	553	17.7	**552**	**17.7**	552	17.7	503	19.4	**503**	**19.4**	503	19.4
401.bzip2	**741**	**13.0**	747	12.9	731	13.2	**709**	**13.6**	729	13.2	708	13.6
403.gcc	661	12.2	**660**	**12.2**	659	12.2	629	12.8	**629**	**12.8**	629	12.8
429.mcf	425	21.5	**424**	**21.5**	423	21.5	**441**	**20.7**	442	20.6	441	20.7
445.gobmk	659	15.9	659	15.9	**659**	**15.9**	582	18.0	**582**	**18.0**	582	18.0
456.hmmer	924	10.1	**924**	**10.1**	924	10.1	900	10.4	**900**	**10.4**	900	10.4
458.sjeng	806	15.0	**806**	**15.0**	806	15.0	**740**	**16.3**	740	16.3	740	16.3
462.libquantum	1319	15.7	**1301**	**15.9**	1300	15.9	1274	16.3	**1271**	**16.3**	1269	16.3
464.h264ref	874	25.3	874	25.3	**874**	**25.3**	855	25.9	**854**	**25.9**	854	25.9
471.omnetpp	469	13.3	466	13.4	**466**	**13.4**	423	14.8	422	14.8	**422**	**14.8**
473.astar	585	12.0	584	12.0	**584**	**12.0**	584	12.0	584	12.0	**584**	**12.0**
483.xalancbmk	359	19.2	**358**	**19.3**	358	19.3	351	19.7	351	19.6	**351**	**19.7**

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`

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`

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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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