SPEC® CINT2006 Result

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Bull SAS

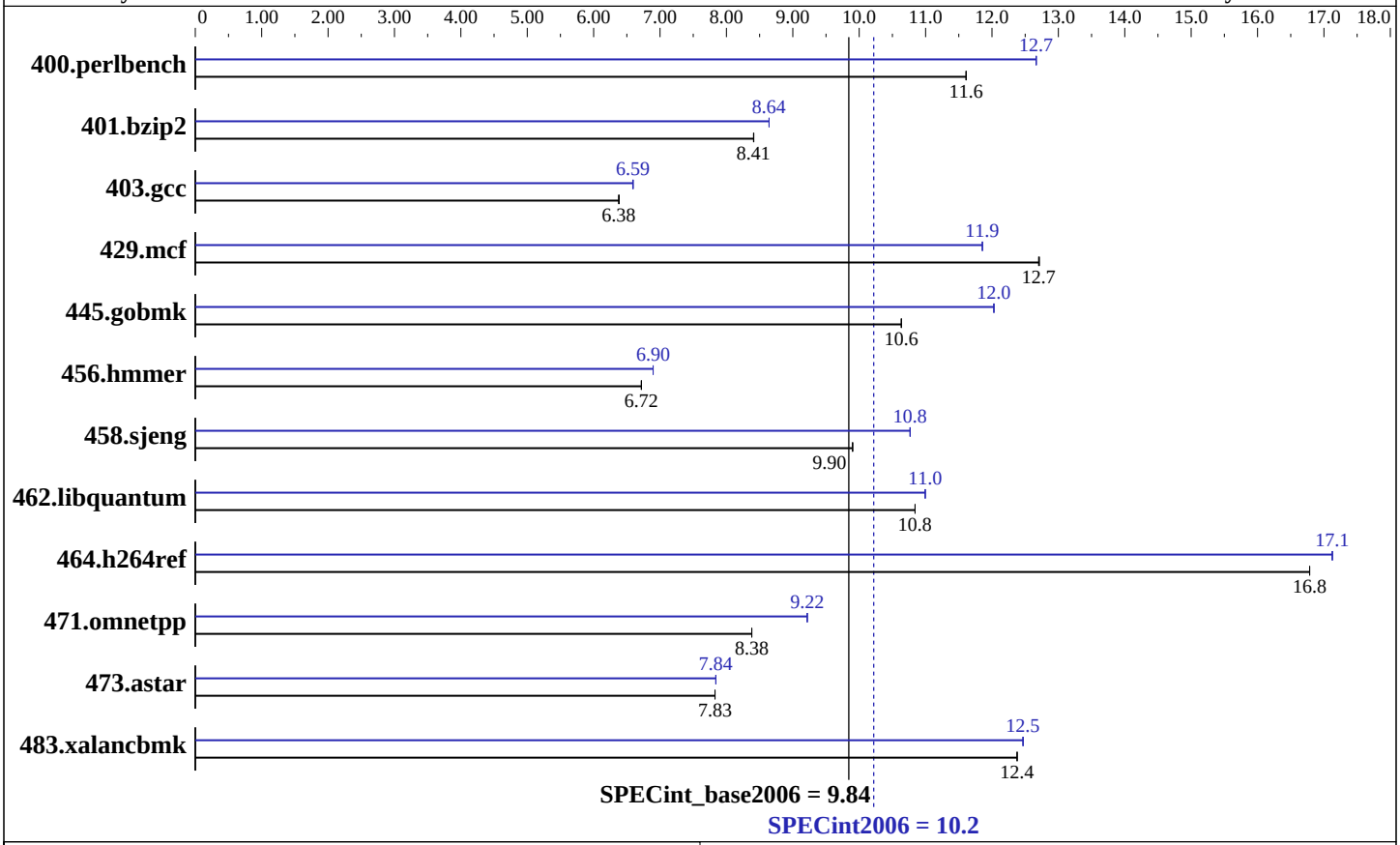
NovaScale B260 (Intel Xeon processor 5110,1.60GHz)

SPECint®2006 = 10.2

SPECint_base2006 = 9.84

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 5110
CPU Characteristics:	1.60 GHz, 4MB L2, 1066MHz bus
CPU MHz:	1600
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) MicroQuill SmartHeap Library 8.0 (shlW32M.lib)
Auto Parallel:	No
File System:	NTFS
System State:	Default
Base Pointers:	32-bit
Peak Pointers:	32-bit
Other Software:	None

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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**	842	11.6	771	12.7	**771**	**12.7**	771	12.7
401.bzip2	1147	8.41	**1148**	**8.41**	1148	8.41	1117	8.64	1117	8.64	**1117**	**8.64**
403.gcc	1261	6.39	**1262**	**6.38**	1262	6.38	1222	6.59	**1221**	**6.59**	1220	6.60
429.mcf	717	12.7	**718**	**12.7**	718	12.7	**769**	**11.9**	769	11.9	769	11.9
445.gobmk	986	10.6	986	10.6	**986**	**10.6**	872	12.0	872	12.0	**872**	**12.0**
456.hmmer	1389	6.72	1389	6.72	**1389**	**6.72**	**1353**	**6.90**	1353	6.90	1353	6.90
458.sjeng	1222	9.90	1222	9.90	**1222**	**9.90**	**1124**	**10.8**	1124	10.8	1124	10.8
462.libquantum	1911	10.8	1911	10.8	**1911**	**10.8**	**1885**	**11.0**	1885	11.0	1884	11.0
464.h264ref	1319	16.8	1318	16.8	**1318**	**16.8**	1292	17.1	**1292**	**17.1**	1292	17.1
471.omnetpp	**746**	**8.38**	746	8.38	746	8.38	**678**	**9.22**	678	9.22	678	9.22
473.astar	897	7.83	**897**	**7.83**	897	7.83	**895**	**7.84**	895	7.84	895	7.84
483.xalancbmk	**557**	**12.4**	557	12.4	557	12.4	553	12.5	**553**	**12.5**	554	12.5

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

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
```

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.20090715.html`

You can also download the XML flags source by saving the following link:
`http://www.spec.org/cpu2006/flags/flags.20090715.xml`

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