SPEC® CINT2006 Result
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Bull SAS

NovaScale B260 (Intel Xeon processor 5150,2.66GHz)

SPECint®2006 = 15.7

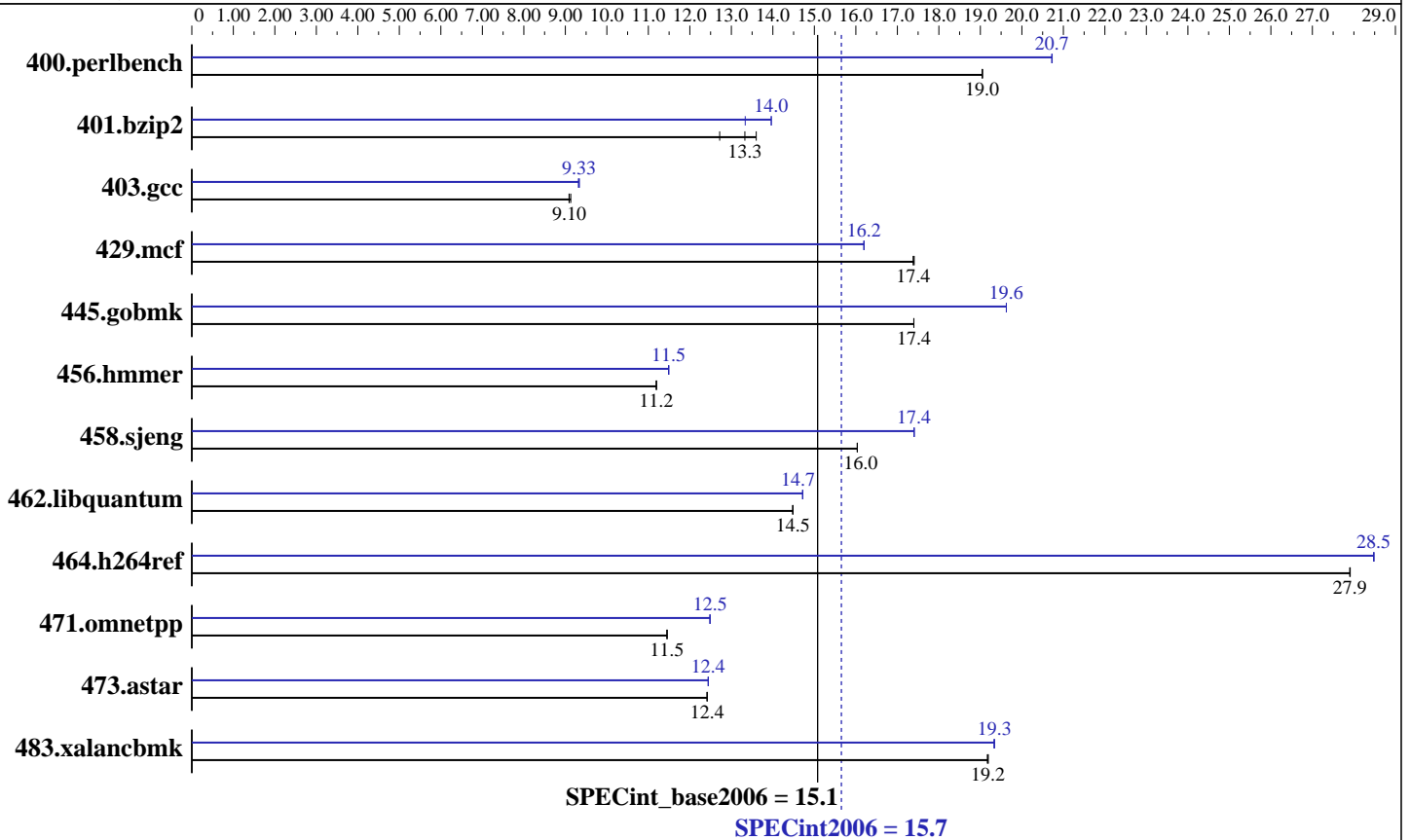SPECint_base2006 = 15.1

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

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

SPECint_base2006 = 15.1

SPECint2006 = 15.7

Benchmark	Peak	Base
400.perlbench	20.7	19.0
401.bzip2	14.0	13.3
403.gcc	9.33	9.10
429.mcf	16.2	17.4
445.gobmk	19.6	17.4
456.hmmer	11.5	11.2
458.sjeng	17.4	16.0
462.libquantum	14.7	14.5
464.h264ref	28.5	27.9
471.omnetpp	12.5	11.5
473.astar	12.4	12.4
483.xalancbmk	19.3	19.2

Hardware

CPU Name: Intel Xeon 5150
CPU Characteristics: 2.66 GHz, 4MB L2, 1333MHz bus
CPU MHz: 2660
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	513	19.0	513	19.0	**513**	**19.0**	472	20.7	471	20.7	**471**	**20.7**
401.bzip2	**724**	**13.3**	759	12.7	710	13.6	691	14.0	724	13.3	**691**	**14.0**
403.gcc	882	9.13	**885**	**9.10**	886	9.09	862	9.34	864	9.31	**863**	**9.33**
429.mcf	524	17.4	525	17.4	**525**	**17.4**	563	16.2	**563**	**16.2**	563	16.2
445.gobmk	603	17.4	603	17.4	**603**	**17.4**	534	19.6	**534**	**19.6**	535	19.6
456.hmmer	834	11.2	834	11.2	**834**	**11.2**	**812**	**11.5**	812	11.5	812	11.5
458.sjeng	755	16.0	**755**	**16.0**	755	16.0	695	17.4	695	17.4	**695**	**17.4**
462.libquantum	1431	14.5	**1431**	**14.5**	1431	14.5	1408	14.7	**1408**	**14.7**	1408	14.7
464.h264ref	**793**	**27.9**	793	27.9	793	27.9	**777**	**28.5**	777	28.5	777	28.5
471.omnetpp	546	11.4	**546**	**11.5**	546	11.5	501	12.5	501	12.5	**501**	**12.5**
473.astar	**565**	**12.4**	565	12.4	565	12.4	564	12.4	564	12.4	**564**	**12.4**
483.xalancbmk	**360**	**19.2**	360	19.2	360	19.2	357	19.3	357	19.3	**357**	**19.3**

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
```

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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
```

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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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