SPEC® CINT2006 Result
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Bull SAS

NovaScale T820
(Intel Xeon processor 3060, 2.40GHz)

$SPECint®2006 =$ 15.9

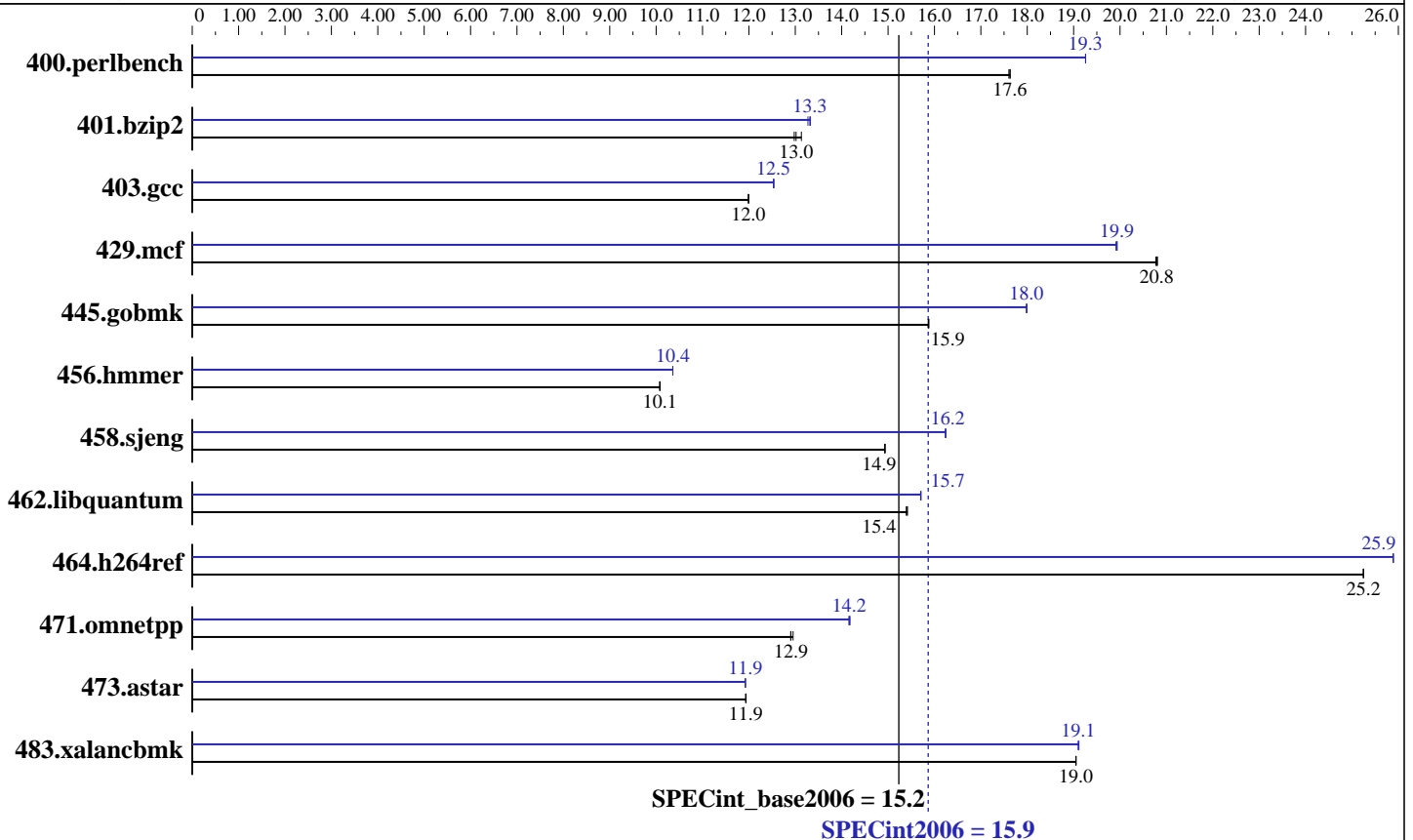$SPECint\_base2006 =$ 15.2

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

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

Benchmark	base	peak
400.perlbench	17.6	19.3
401.bzip2	13.0	13.3
403.gcc	12.0	12.5
429.mcf	20.8	19.9
445.gobmk	15.9	18.0
456.hmmer	10.1	10.4
458.sjeng	14.9	16.2
462.libquantum	15.4	15.7
464.h264ref	25.2	25.9
471.omnetpp	12.9	14.2
473.astar	11.9	11.9
483.xalancbmk	19.0	19.1

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Hardware

CPU Name:	Intel Xeon 3060
CPU Characteristics:	2.40 GHz, 4 MB L2, 1066 MHz system 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:	4 GB (4x1 GB) PC2-4200E ECC CL4
Disk Subsystem:	1x80 GB SATA2, 7200 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 (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	555	17.6	**554**	**17.6**	554	17.6	507	19.3	507	19.3	**507**	**19.3**
401.bzip2	735	13.1	744	13.0	**741**	**13.0**	**725**	**13.3**	727	13.3	724	13.3
403.gcc	671	12.0	671	12.0	**671**	**12.0**	642	12.5	642	12.5	**642**	**12.5**
429.mcf	**439**	**20.8**	438	20.8	439	20.8	457	19.9	**457**	**19.9**	458	19.9
445.gobmk	661	15.9	**661**	**15.9**	661	15.9	583	18.0	**583**	**18.0**	583	18.0
456.hmmer	926	10.1	926	10.1	**926**	**10.1**	901	10.4	**901**	**10.4**	901	10.4
458.sjeng	810	14.9	810	14.9	**810**	**14.9**	745	16.2	745	16.2	**745**	**16.2**
462.libquantum	**1345**	**15.4**	1344	15.4	1346	15.4	1319	15.7	**1319**	**15.7**	1320	15.7
464.h264ref	877	25.2	**877**	**25.2**	877	25.2	855	25.9	855	25.9	**855**	**25.9**
471.omnetpp	**484**	**12.9**	483	13.0	484	12.9	**441**	**14.2**	442	14.2	441	14.2
473.astar	**588**	**11.9**	588	11.9	588	11.9	589	11.9	589	11.9	**589**	**11.9**
483.xalancbmk	362	19.0	362	19.1	**362**	**19.0**	361	19.1	361	19.1	**361**	**19.1**

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
```

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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:

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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

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