SPEC® CINT2006 Result

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Itautec

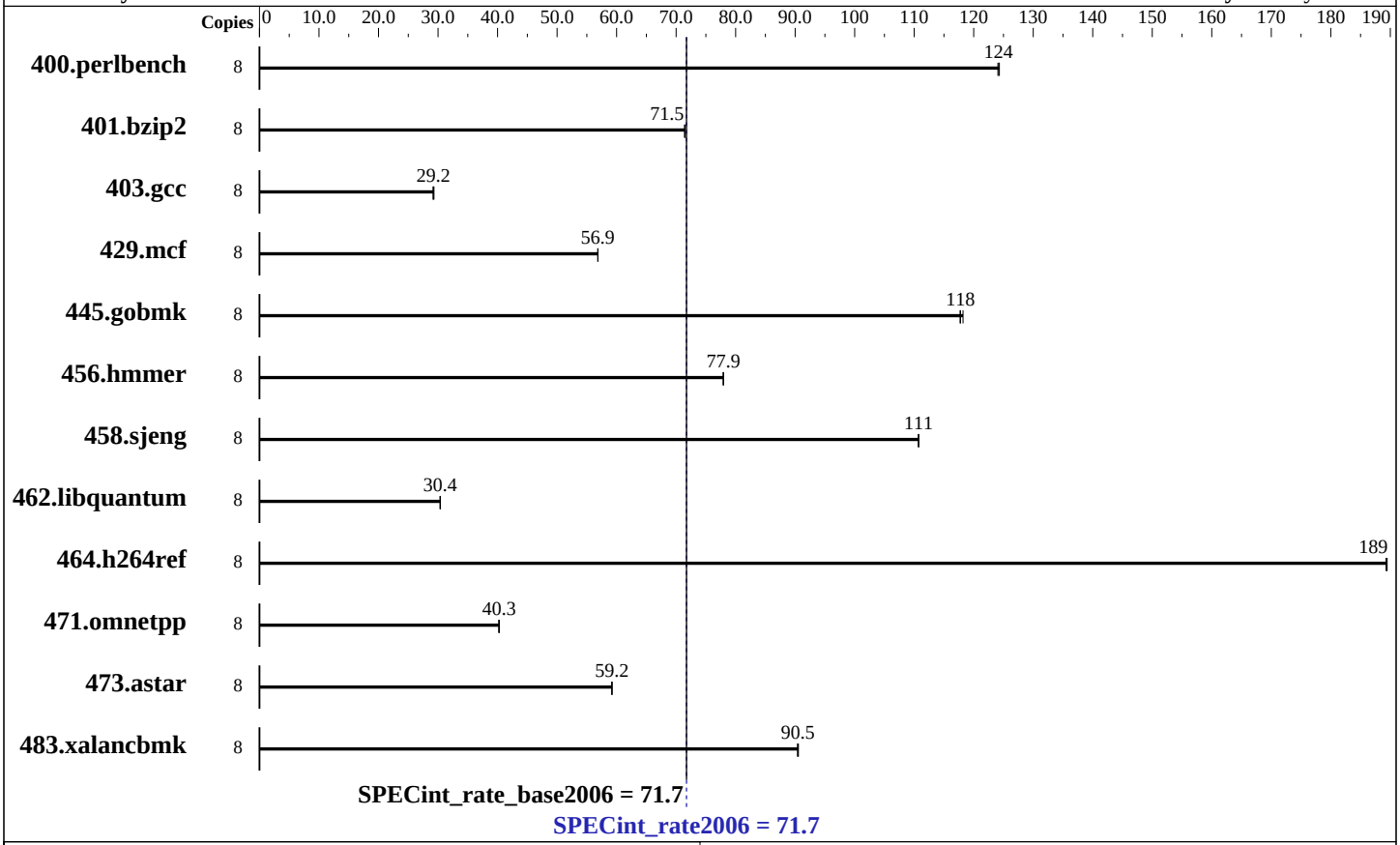
Servidor Itautec MX221 (Intel Xeon E5345)

SPECint®_rate2006 = 71.7

SPECint_rate_base2006 = 71.7

CPU2006 license: 9001
Test sponsor: Itautec
Tested by: Itautec

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



Hardware

CPU Name:	Intel Xeon E5345
CPU Characteristics:	1333MHz system bus
CPU MHz:	2330
FPU:	Integrated
CPU(s) enabled:	8 cores, 2 chips, 4 cores/chip
CPU(s) orderable:	1-2 chips
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:	16 GB (8x2GB DDR2-RAM PC2-5300F CAS 5-5-5)
Disk Subsystem:	73 GB SCSI, 10000RPM
Other Hardware:	None

Software

Operating System:	Windows Server 2003 Enterprise Edition + SP1 (32-bit)
Compiler:	Intel C++ Compiler for IA32 version 9.1 Package ID W_CC_C_9.1.025 Build no 20060519Z Microsoft Visual Studio .NET 2003 7.1.3088 (for libraries)
Auto Parallel:	No
File System:	NTFS
System State:	Default
Base Pointers:	32-bit
Peak Pointers:	32-bit
Other Software:	Microquill SmartHeap Library v.8.0 for SMP

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Results Table

Benchmark	Base							Peak						
	Copies	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Copies	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio
400.perlbench	8	629	124	630	124	**629**	**124**	8	629	124	630	124	**629**	**124**
401.bzip2	8	1081	71.4	1080	71.5	**1080**	**71.5**	8	1081	71.4	1080	71.5	**1080**	**71.5**
403.gcc	8	**2205**	**29.2**	2207	29.2	2197	29.3	8	**2205**	**29.2**	2207	29.2	2197	29.3
429.mcf	8	**1283**	**56.9**	1283	56.9	1284	56.8	8	**1283**	**56.9**	1283	56.9	1284	56.8
445.gobmk	8	713	118	710	118	**713**	**118**	8	713	118	710	118	**713**	**118**
456.hmmer	8	**958**	**77.9**	958	77.9	957	78.0	8	**958**	**77.9**	958	77.9	957	78.0
458.sjeng	8	**874**	**111**	874	111	874	111	8	**874**	**111**	874	111	874	111
462.libquantum	8	5458	30.4	5460	30.4	**5459**	**30.4**	8	5458	30.4	5460	30.4	**5459**	**30.4**
464.h264ref	8	**935**	**189**	935	189	934	189	8	**935**	**189**	935	189	934	189
471.omnetpp	8	**1242**	**40.3**	1244	40.2	1241	40.3	8	**1242**	**40.3**	1244	40.2	1241	40.3
473.astar	8	948	59.2	949	59.2	**948**	**59.2**	8	948	59.2	949	59.2	**948**	**59.2**
483.xalancbmk	8	611	90.4	610	90.5	**610**	**90.5**	8	611	90.4	610	90.5	**610**	**90.5**

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

General Notes

```
The Servidor Itautec MX221 and the Servidor Itautec MX201
are electronically equivalent.
```

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 shlSMPMt.lib            -link /FORCE:MULTIPLE
```

Continued on next page

Base Optimization Flags (Continued)

C++ benchmarks:
-fast -Qcxx_features /F512000000 shlSMPMt.lib
-link /FORCE:MULTIPLE

Base Other Flags

C benchmarks:

403.gcc: -Dalloca=_alloca

Peak Optimization Flags

C benchmarks:

400.perlbench: basepeak = yes

401.bzip2: basepeak = yes

403.gcc: basepeak = yes

429.mcf: basepeak = yes

445.gobmk: basepeak = yes

456.hmmer: basepeak = yes

458.sjeng: basepeak = yes

462.libquantum: basepeak = yes

464.h264ref: basepeak = yes

C++ benchmarks:

471.omnetpp: basepeak = yes

473.astar: basepeak = yes

483.xalancbmk: basepeak = yes

The flags file that was used to format this result can be browsed at
http://www.spec.org/cpu2006/flags/Itautec-ic91-flags.20090714.html

You can also download the XML flags source by saving the following link:
http://www.spec.org/cpu2006/flags/Itautec-ic91-flags.20090714.xml

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