



# SPEC® CINT2006 Result

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Itautec

SPECint®\_rate2006 = 58.3

Servidor Itautec MX201 (Intel Xeon E5320)

SPECint\_rate\_base2006 = 58.3

CPU2006 license: 9001

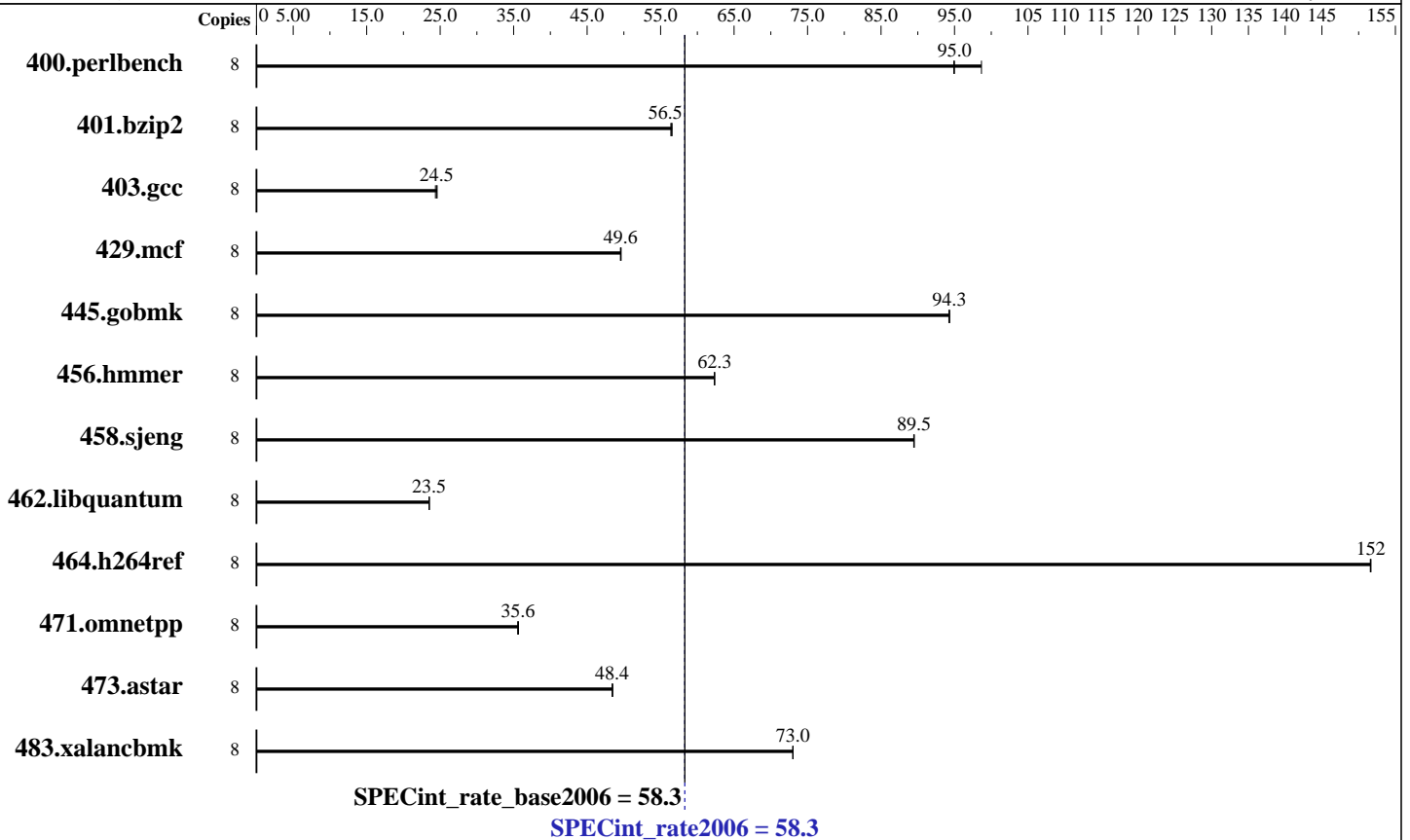
Test sponsor: Itautec

Tested by: Itautec

Test date: Feb-2007

Hardware Availability: Feb-2007

Software Availability: May-2006



## Hardware

CPU Name: Intel Xeon E5320  
 CPU Characteristics: 1066MHz system bus  
 CPU MHz: 1860  
 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: 8 GB (8x1GB 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	792	98.7	<b>823</b>	<b>95.0</b>	824	94.9	8	792	98.7	<b>823</b>	<b>95.0</b>	824	94.9
401.bzip2	8	<b>1367</b>	<b>56.5</b>	1365	56.6	1369	56.4	8	<b>1367</b>	<b>56.5</b>	1365	56.6	1369	56.4
403.gcc	8	2644	24.4	2619	24.6	<b>2628</b>	<b>24.5</b>	8	2644	24.4	2619	24.6	<b>2628</b>	<b>24.5</b>
429.mcf	8	1470	49.6	1473	49.5	<b>1472</b>	<b>49.6</b>	8	1470	49.6	1473	49.5	<b>1472</b>	<b>49.6</b>
445.gobmk	8	890	94.3	<b>890</b>	<b>94.3</b>	891	94.2	8	890	94.3	<b>890</b>	<b>94.3</b>	891	94.2
456.hammer	8	1197	62.4	1198	62.3	<b>1197</b>	<b>62.3</b>	8	1197	62.4	1198	62.3	<b>1197</b>	<b>62.3</b>
458.sjeng	8	1081	89.5	1082	89.5	<b>1082</b>	<b>89.5</b>	8	1081	89.5	1082	89.5	<b>1082</b>	<b>89.5</b>
462.libquantum	8	7049	23.5	<b>7051</b>	<b>23.5</b>	7054	23.5	8	7049	23.5	<b>7051</b>	<b>23.5</b>	7054	23.5
464.h264ref	8	1168	152	<b>1167</b>	<b>152</b>	1167	152	8	1168	152	<b>1167</b>	<b>152</b>	1167	152
471.omnetpp	8	1406	35.6	1402	35.7	<b>1405</b>	<b>35.6</b>	8	1406	35.6	1402	35.7	<b>1405</b>	<b>35.6</b>
473.astar	8	<b>1160</b>	<b>48.4</b>	1158	48.5	1160	48.4	8	<b>1160</b>	<b>48.4</b>	1158	48.5	1160	48.4
483.xalancbmk	8	756	73.0	756	73.0	<b>756</b>	<b>73.0</b>	8	756	73.0	756	73.0	<b>756</b>	<b>73.0</b>

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

## General Notes

This result was measured on the Servidor Itautec MX221.  
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

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## Base Optimization Flags (Continued)

C++ benchmarks:  
-fast -Qcxx\_features /F512000000 sh1SMPMt.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.hmmmer: 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.xalanbmk: 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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For questions about this result, please contact the tester.  
For other inquiries, please contact [webmaster@spec.org](mailto:webmaster@spec.org).

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