



# SPEC® CINT2006 Result

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## Itautec

## SPECint®\_rate2006 = Not Run

### Servidor Itautec MX201 (Intel Xeon X5460)

## SPECint\_rate\_base2006 = 65.2

CPU2006 license: 9001

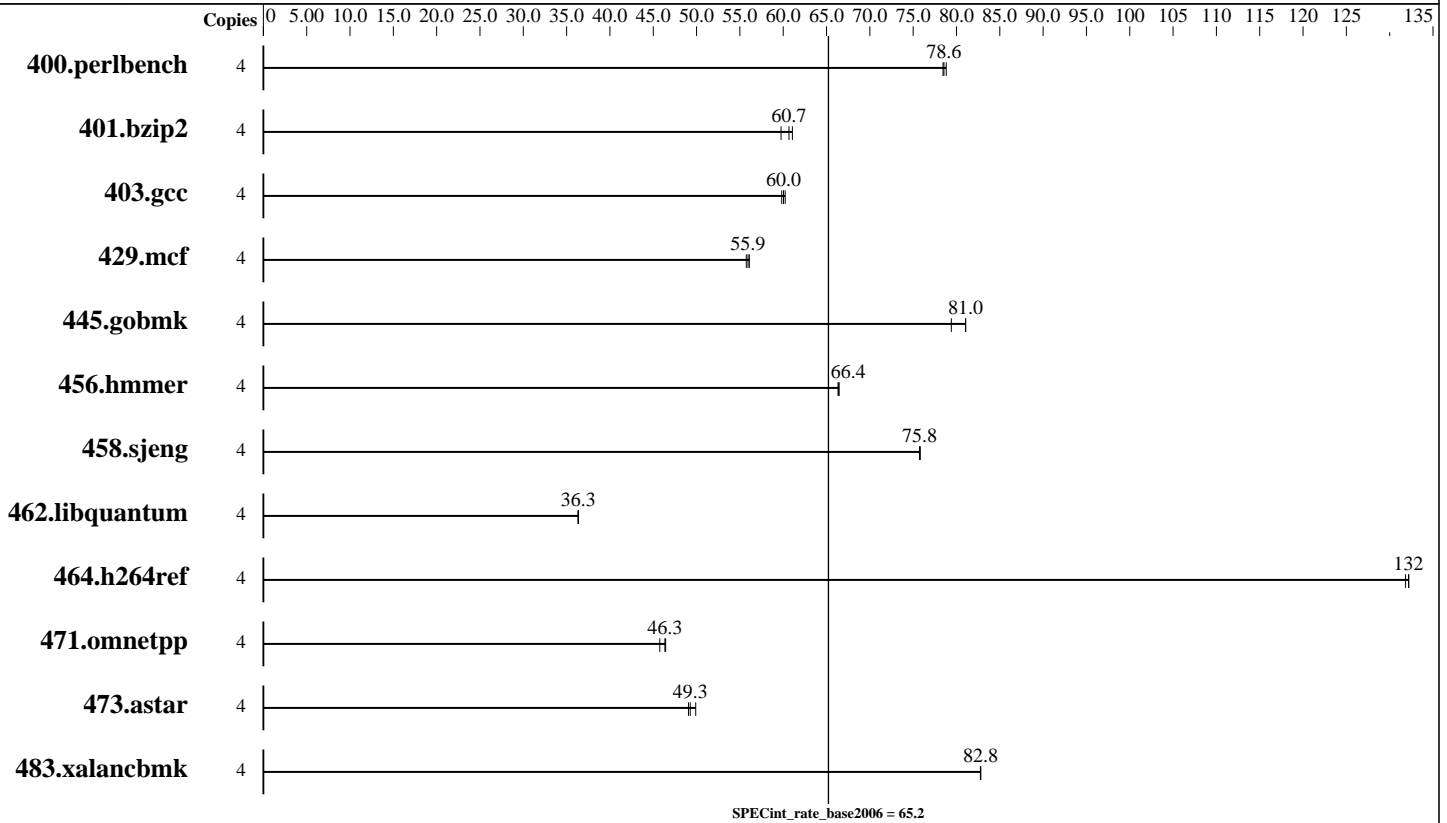
Test sponsor: Itautec

Tested by: Itautec

Test date: Mar-2008

Hardware Availability: Dec-2007

Software Availability: Jan-2008



### Hardware

CPU Name: Intel Xeon X5460  
 CPU Characteristics:  
 CPU MHz: 3160  
 FPU: Integrated  
 CPU(s) enabled: 4 cores, 1 chip, 4 cores/chip  
 CPU(s) orderable: 1 chip  
 Primary Cache: 32 KB I + 32 KB D on chip per core  
 Secondary Cache: 12 MB I+D on chip per chip, 6 MB shared / 2 cores  
 L3 Cache: None  
 Other Cache: None  
 Memory: 16 GB (8 \* 2 GB PC2-5300 FBDIMM, CL-5-5-5, ECC)  
 Disk Subsystem: 1 x SCSI, 73GB, 15000 RPM  
 Other Hardware: None

### Software

Operating System: SUSE Linux Enterprise Server 10 (x86\_64) SP1, Kernel 2.6.16.46-0.12-smp  
 Compiler: Intel C++ Compiler for Linux version 10.1 Build 20080112 Package ID: l\_cc\_p\_10.1.012  
 Auto Parallel: No  
 File System: ReiserFS  
 System State: Run level 3 (multi-user)  
 Base Pointers: 32-bit  
 Peak Pointers: Not Applicable  
 Other Software: Binutils 2.17.10.50  
 MicroQuill SmartHeap V8.1



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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  | 4      | 496                | 78.8               | <b><u>498</u></b> | <b><u>78.6</u></b> | 498               | 78.4               |        |         |       |         |       |         |       |
| 401.bzip2      | 4      | 632                | 61.1               | <b><u>636</u></b> | <b><u>60.7</u></b> | 646               | 59.8               |        |         |       |         |       |         |       |
| 403.gcc        | 4      | <b><u>536</u></b>  | <b><u>60.0</u></b> | 535               | 60.2               | 538               | 59.8               |        |         |       |         |       |         |       |
| 429.mcf        | 4      | 650                | 56.1               | 654               | 55.7               | <b><u>652</u></b> | <b><u>55.9</u></b> |        |         |       |         |       |         |       |
| 445.gobmk      | 4      | <b><u>518</u></b>  | <b><u>81.0</u></b> | 528               | 79.4               | 518               | 81.1               |        |         |       |         |       |         |       |
| 456.hammer     | 4      | 563                | 66.3               | <b><u>562</u></b> | <b><u>66.4</u></b> | 562               | 66.4               |        |         |       |         |       |         |       |
| 458.sjeng      | 4      | <b><u>639</u></b>  | <b><u>75.8</u></b> | 639               | 75.7               | 638               | 75.8               |        |         |       |         |       |         |       |
| 462.libquantum | 4      | <b><u>2281</u></b> | <b><u>36.3</u></b> | 2281              | 36.3               | 2280              | 36.3               |        |         |       |         |       |         |       |
| 464.h264ref    | 4      | <b><u>670</u></b>  | <b><u>132</u></b>  | 670               | 132                | 671               | 132                |        |         |       |         |       |         |       |
| 471.omnetpp    | 4      | 546                | 45.8               | 538               | 46.4               | <b><u>539</u></b> | <b><u>46.3</u></b> |        |         |       |         |       |         |       |
| 473.astar      | 4      | 572                | 49.1               | 563               | 49.9               | <b><u>570</u></b> | <b><u>49.3</u></b> |        |         |       |         |       |         |       |
| 483.xalancbmk  | 4      | 333                | 82.8               | 334               | 82.8               | <b><u>333</u></b> | <b><u>82.8</u></b> |        |         |       |         |       |         |       |

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

## Operating System Notes

'ulimit -s unlimited' was used to set the stacksize to unlimited prior to run.  
'/usr/bin/taskset' used to bind benchmark copies to processors.

## Platform Notes

BIOS configuration:  
Hardware Prefetch Disabled

## General Notes

This result was measured on the Servidor Itaotec MX201.  
The Servidor Itaotec MX201 and the Servidor Itaotec MX221 are electronically equivalent.

## Base Compiler Invocation

C benchmarks:  
icc

C++ benchmarks:  
icpc



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## Base Portability Flags

400.perlbench: -DSPEC\_CPU\_LINUX\_IA32  
462.libquantum: -DSPEC\_CPU\_LINUX  
483.xalancbmk: -DSPEC\_CPU\_LINUX

## Base Optimization Flags

C benchmarks:  
-fast -inline-calloc -opt-malloc-options=3

C++ benchmarks:  
-xT -ipo -O3 -no-prec-div -Wl,-z,muldefs  
-L/opt/sh/SmartHeap\_8.1/lib -lsmartheap

## Base 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/Itautec-ic10.1-FP-intel64-linux-flags.html>

You can also download the XML flags source by saving the following link:

<http://www.spec.org/cpu2006/flags/Itautec-ic10.1-FP-intel64-linux-flags.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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