



# CINT2000 Result

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## Itautec

Servidor Itautec MX201 (Intel Xeon processor E5310, 1.60 GHz)

SPECint\_rate2000 = 128

SPECint\_rate\_base2000 = 128

SPEC license #: 9001 | Tested by: Itautec | Test date: Feb-2007 | Hardware Avail: Feb-2007 | Software Avail: May-2006

| Benchmark   | Base Copies | Base Runtime | Base Ratio | Copies | Runtime | Ratio |
|-------------|-------------|--------------|------------|--------|---------|-------|
| 164.zip     | 8           | 146          | 88.7       | 8      | 146     | 88.7  |
| 175.vpr     | 8           | 147          | 88.1       | 8      | 147     | 88.1  |
| 176.gcc     | 8           | 66.6         | 153        | 8      | 66.6    | 153   |
| 181.mcf     | 8           | 194          | 86.2       | 8      | 194     | 86.2  |
| 186.crafty  | 8           | 68.1         | 136        | 8      | 68.1    | 136   |
| 197.parser  | 8           | 148          | 113        | 8      | 148     | 113   |
| 252.eon     | 8           | 62.8         | 192        | 8      | 62.8    | 192   |
| 253.perlbnk | 8           | 99.9         | 167        | 8      | 99.9    | 167   |
| 254.gap     | 8           | 96.9         | 105        | 8      | 96.9    | 105   |
| 255.vortex  | 8           | 78.4         | 225        | 8      | 78.4    | 225   |
| 256.bzip2   | 8           | 141          | 98.6       | 8      | 141     | 98.6  |
| 300.twolf   | 8           | 165          | 169        | 8      | 165     | 169   |

### Hardware

CPU: Intel Xeon processor E5310 (1.60 GHz, 2x4MB L2, 1066 MHz system bus)  
CPU MHz: 1600  
FPU: Integrated  
CPU(s) enabled: 8 cores, 2 chips, 4 cores/chip  
CPU(s) orderable: 1,2  
Parallel: No  
Primary Cache: 32KB(I) + 32KB(D) on chip, per core  
Secondary Cache: 8 MB I+D on chip per chip (4 MB shared per 2 cores)  
L3 Cache: N/A  
Other Cache: N/A  
Memory: 8x1GB DDR2-RAM PC2-5300F (CAS 5-5-5)  
Disk Subsystem: 1 x 146GB SCSI 10000RPM  
Other Hardware: None

### Software

Operating System: Windows Server 2003 Enterprise Edition + SP1 (32-bit)  
Compiler: Intel C++ Compiler 9.1  
Build 20060519Z (for 32-bit applications),  
Microsoft Visual Studio .NET 2003 7.1.3088 (for libraries)  
Microquill SmartHeap Library v.8.0 for SMP  
File System: NTFS  
System State: Default

## Notes/Tuning Information

### GENERAL

Basepeak=yes is used for all programs  
+FDO: PASS1=-Qprof\_gen PASS2=-Qprof\_use

### Portability flags

176.gcc: -Dalloca=\_alloca /F10000000  
186.crafty: -DNT\_i386  
253.perlbnk: -DSPEC\_CPU2000\_NTOS -DPERLDLL /MT  
254.gap: -DSYS\_HAS\_CALLOC\_PROTO -DSYS\_HAS\_MALLOC\_PROTO

### Base tuning flags

for C programs: -fast +FDO shlSMPMt.lib  
for C++ programs: -fast -Qcxx\_features +FDO shlSMPMt.lib

### EXTRA LIBRARIES

Microquill SmartHeap Library v.8.0 for SMP  
<http://www.microquill.com>

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