



# CINT2000 Result

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## Itautec

Servidor Itautec MX221 (Intel Xeon 5140 processor, 2.33GHz)

SPECint\_rate2000 = 96.5

SPECint\_rate\_base2000 = 96.5

SPEC license #: 9001 | Tested by: Itautec | Test date: Nov-2006 | Hardware Avail: Jul-2006 | Software Avail: Mar-2006

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	4	99.5	65.3	4	99.5	65.3
175.vpr	4	93.8	69.3	4	93.8	69.3
176.gcc	4	46.6	109	4	46.6	109
181.mcf	4	104	79.9	4	104	79.9
186.crafty	4	46.3	100	4	46.3	100
197.parser	4	108	77.5	4	108	77.5
252.eon	4	43.3	139	4	43.3	139
253.perlbnk	4	69.7	120	4	69.7	120
254.gap	4	58.5	87.3	4	58.5	87.3
255.vortex	4	53.9	163	4	53.9	163
256.bzip2	4	97.2	71.6	4	97.2	71.6
300.twolf	4	112	124	4	112	124

### Hardware

CPU: Intel Xeon 5140 processor (2.33 GHz, 4MB L2 shared, 1333 MHz system bus)  
CPU MHz: 2330  
FPU: Integrated  
CPU(s) enabled: 4 cores, 2 chips, 2 cores/chip  
CPU(s) orderable: 1,2  
Parallel: No  
Primary Cache: 32 KB I + 32 KB D on chip per core  
Secondary Cache: 4MB (I+D) on chip, per chip, shared  
L3 Cache: N/A  
Other Cache: N/A  
Memory: 14GB (7x2GB DDR2-RAM PC2-5300 FB-DIMM CL5 ECC)  
Disk Subsystem: 1 x 120GB Serial ATA 7200 RPM  
Other Hardware: None

### Software

Operating System: Windows Server 2003 Enterprise Edition + SP1 (32-bit)  
Compiler: Intel C++ Compiler 9.1  
Build 20060323Z (for 32-bit applications),  
Microsoft Visual Studio 2005 (for libraries),  
MicroQuill SmartHeap for SMP Library v.8.0  
File System: NTFS  
System State: Default

## Notes/Tuning Information

### PORTABILITY FLAGS

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

### GENERAL

+FDO: PASS1=-Qprof\_gen PASS2=-Qprof\_use

### Base tuning flags

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

BIOS settings default.

### EXTRA LIBRARIES

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