



# CINT2000 Result

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## Itautec

Servidor Itautec MX221 (Intel Xeon 5120 processor, 1.86GHz)

SPECint\_rate2000 = 77.7

SPECint\_rate\_base2000 = 77.7

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.zip	4	125	52.2	4	125	52.2
175.vpr	4	116	55.8	4	116	55.8
176.gcc	4	58.4	87.3	4	58.4	87.3
181.mcf	4	126	66.1	4	126	66.1
186.crafty	4	57.9	80.2	4	57.9	80.2
197.parser	4	135	61.9	4	135	61.9
252.eon	4	54.1	112	4	54.1	112
253.perlbnk	4	87.0	96.0	4	87.0	96.0
254.gap	4	71.4	71.5	4	71.4	71.5
255.vortex	4	67.1	131	4	67.1	131
256.bzip2	4	120	57.9	4	120	57.9
300.twolf	4	141	99.1	4	141	99.1

### Hardware

CPU: Intel Xeon 5120 processor (1.86 GHz, 4MB L2 shared, 1066 MHz system bus)  
 CPU MHz: 1860  
 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 Library for SMP 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 Library for SMP v.8.0  
<http://www.microquill.com/>