



# CINT2000 Result

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## Itautec

Servidor Itautec LX211, Intel Xeon 5150 processor

SPECint\_rate2000 = 107

SPECint\_rate\_base2000 = 107

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

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	4	87.5	74.2	4	87.5	74.2
175.vpr	4	83.4	77.9	4	83.4	77.9
176.gcc	4	51.0	100	4	51.0	100
181.mcf	4	89.5	93.3	4	89.5	93.3
186.crafty	4	40.8	114	4	40.8	114
197.parser	4	92.3	90.5	4	92.3	90.5
252.eon	4	37.6	160	4	37.6	160
253.perlbnk	4	59.8	140	4	59.8	140
254.gap	4	54.9	93.0	4	54.9	93.0
255.vortex	4	49.4	178	4	49.4	178
256.bzip2	4	89.4	77.9	4	89.4	77.9
300.twolf	4	98.8	141	4	98.8	141

### Hardware

CPU: Intel Xeon 5150 processor (2.66 GHz, 1333 MHz system bus, 4MB L2 Cache shared)  
CPU MHz: 2667  
FPU: Integrated  
CPU(s) enabled: 4 cores, 2 chips, 2 cores/chip  
CPU(s) orderable: 1,2  
Parallel: No  
Primary Cache: 32KBI + 32KBD on chip, per core  
Secondary Cache: 4096KB(I+D) on chip, per chip, shared  
L3 Cache: N/A  
Other Cache: N/A  
Memory: 4x2GB + 2x1GB DDR2-RAM PC2-5300F (CAS 5-5-5)ECC  
Disk Subsystem: 1 x 120GB Serial ATA 7200rpm  
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  
7.0.9466 (for libraries)  
Microquill SmartHeap Library v.8.0  
File System: NTFS  
System State: Default

## Notes/Tuning Information

### PORTABILITY FLAGS

176.gcc: -Dalloca=\_alloca /F10000000  
186.crafy: -DNT\_i386  
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 shlw32M.lib  
for C++ programs: -fast -Qcxx\_features +FDO shlw32M.lib

### EXTRA LIBRARIES

: MicroQuill SmartHeap Library v.8.0  
www.microquill.com

BIOS settings: Hardware prefetch enabled, Adjacent Prefetch enabled

The system bus runs at 1333 MHz

This result was measured with 32-bit binaries using the 32-bit version of the operating system.