



# CINT2000 Result

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## Itautec

Servidor Itautec LX211 (Intel Xeon 5110 processor, 1.60GHz)

SPECint\_rate2000 = 35.2

SPECint\_rate\_base2000 = 35.2

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

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	2	143	22.7	2	143	22.7
175.vpr	2	127	25.7	2	127	25.7
176.gcc	2	65.3	39.1	2	65.3	39.1
181.mcf	2	120	34.9	2	120	34.9
186.crafy	2	67.5	34.4	2	67.5	34.4
197.parser	2	154	27.1	2	154	27.1
252.eon	2	62.5	48.2	2	62.5	48.2
253.perlbnk	2	100	41.6	2	100	41.6
254.gap	2	70.0	36.4	2	70.0	36.4
255.vortex	2	73.5	60.0	2	73.5	60.0
256.bzip2	2	133	26.2	2	133	26.2
300.twolf	2	164	42.4	2	164	42.4

### Hardware

CPU: Intel Xeon 5110 processor (1.60 GHz, 4MB L2 shared, 1066 MHz system bus)  
CPU MHz: 1600  
FPU: Integrated  
CPU(s) enabled: 2 cores, 1 chip, 2 cores/chip  
CPU(s) orderable: 1  
Parallel: No  
Primary Cache: 32 KB I + 32 KB D on chip per core  
Secondary Cache: 4096KB(I+D) on chip, per chip, shared  
L3 Cache: N/A  
Other Cache: N/A  
Memory: 6x2GB DDR2-RAM PC2-5300F (CAS 5-5-5)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 20060519Z (for 32-bit applications),  
Microsoft Visual Studio 2005(for libraries),  
MicroQuill SmartHeap for SMP Library 8.0  
File System: NTFS  
System State: Default

## Notes/Tuning Information

### PORTABILITY FLAGS

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

### EXTRA LIBRARIES

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