



# CINT2000 Result

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## Itautec

Servidor Itautec LX211 (Intel Xeon 5030 processor)

SPECint\_rate2000 = 57.7

SPECint\_rate\_base2000 = 57.7

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

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	8	246	52.8	8	246	52.8
175.vpr	8	361	36.0	8	361	36.0
176.gcc	8	127	80.4	8	127	80.4
181.mcf	8	653	25.6	8	653	25.6
186.crafty	8	202	45.9	8	202	45.9
197.parser	8	283	59.1	8	283	59.1
252.eon	8	135	89.4	8	135	89.4
253.perlbnk	8	256	65.2	8	256	65.2
254.gap	8	162	63.0	8	162	63.0
255.vortex	8	179	98.5	8	179	98.5
256.bzip2	8	295	47.1	8	295	47.1
300.twolf	8	366	76.1	8	366	76.1

### Hardware

CPU: Intel Xeon 5030 processor (2.66 GHz, 2x2MB L2, 667 MHz system bus)  
CPU MHz: 2667  
FPU: Integrated  
CPU(s) enabled: 4 cores, 2 chips, 2 cores/chip (Hyper-Threading Technology enabled)  
CPU(s) orderable: 1,2  
Parallel: No  
Primary Cache: 32 KB I + 32 KB D on chip per core  
Secondary Cache: 2MB (I+D) on chip, per core  
L3 Cache: N/A  
Other Cache: N/A  
Memory: 6GB (6x1GB DDR2-RAM PC2-5300 FB-DIMM CL5 ECC)  
Disk Subsystem: 1 x 200GB 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 .NET 7.0.9466 (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.crafty: -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 sh1SMPMt.lib  
for C++ programs: -fast -Qcxx\_features +FDO

### EXTRA LIBRARIES

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