



# CINT2000 Result

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## Itautec

Servidor Itautec LX211 (Intel Xeon processor X5355, 2.66 GHz)

SPECint\_rate2000 = 161

SPECint\_rate\_base2000 = 161

SPEC license #: 9001 | Tested by: Itautec | Test date: Feb-2007 | Hardware Avail: Feb-2007 | Software Avail: May-2006

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.zip	8	115	113	8	115	113
175.vpr	8	109	119	8	109	119
176.gcc	8	56.2	182	8	56.2	182
181.mcf	8	132	127	8	132	127
186.crafty	8	54.4	171	8	54.4	171
197.parser	8	119	141	8	119	141
252.eon	8	50.2	240	8	50.2	240
253.perlbnk	8	77.9	214	8	77.9	214
254.gap	8	96.3	106	8	96.3	106
255.vortex	8	62.8	281	8	62.8	281
256.bzip2	8	114	122	8	114	122
300.twolf	8	130	214	8	130	214

### Hardware

CPU: Intel Xeon processor X5355 (2.66 GHz, 2x4MB L2, 1333 MHz system bus)  
CPU MHz: 2660  
FPU: Integrated  
CPU(s) enabled: 8 cores, 2 chips, 4 cores/chip  
CPU(s) orderable: 1,2  
Parallel: No  
Primary Cache: 32KB(I) + 32KB(D) on chip, per core  
Secondary Cache: 8 MB I+D on chip per chip (4 MB shared per 2 cores)  
L3 Cache: N/A  
Other Cache: N/A  
Memory: 6x1GB DDR2-RAM PC2-5300F (CAS 5-5-5)  
Disk Subsystem: 1 x 120GB SATA 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 7.1.3088 (for libraries)  
Microquill SmartHeap Library v.8.0 for SMP  
File System: NTFS  
System State: Default

## Notes/Tuning Information

### GENERAL

Basepeak=yes is used for all programs  
+FDO: PASS1=-Qprof\_gen PASS2=-Qprof\_use

### 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

### Base tuning flags

for C programs: -fast +FDO sh1SMPMt.lib  
for C++ programs: -fast -Qcxx\_features +FDO sh1SMPMt.lib

### EXTRA LIBRARIES

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