



# CINT2000 Result

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## Itautec

Servidor Itautec LX211 (Intel Xeon processor E5320, 1.86 GHz)

SPECint\_rate2000 = 142

SPECint\_rate\_base2000 = 142

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.gzip	8	127	102	8	127	102
175.vpr	8	126	103	8	126	103
176.gcc	8	66.3	154	8	66.3	154
181.mcf	8	162	103	8	162	103
186.crafty	8	58.4	159	8	58.4	159
197.parser	8	133	125	8	133	125
252.eon	8	53.9	224	8	53.9	224
253.perlbnk	8	86.8	193	8	86.8	193
254.gap	8	119	85.6	8	119	85.6
255.vortex	8	71.7	246	8	71.7	246
256.bzip2	8	129	108	8	129	108
300.twolf	8	141	197	8	141	197

### Hardware

CPU: Intel Xeon processor E5320 (1.86 GHz, 2x4MB L2, 1066 MHz system bus)  
 CPU MHz: 1860  
 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 shlSMPMt.lib  
 for C++ programs: -fast -Qcxx\_features +FDO shlSMPMt.lib

### EXTRA LIBRARIES

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