



# CINT2000 Result

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## Itautec

Servidor Itautec LX201 (Intel Xeon 5120 processor)

SPECint\_rate2000 = 40.2

SPECint\_rate\_base2000 = 40.2

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	124	26.2	2	124	26.2
175.vpr	2	113	28.8	2	113	28.8
176.gcc	2	56.8	44.9	2	56.8	44.9
181.mcf	2	110	38.1	2	110	38.1
186.crafty	2	58.5	39.6	2	58.5	39.6
197.parser	2	128	32.7	2	128	32.7
252.eon	2	54.0	55.9	2	54.0	55.9
253.perlbnk	2	85.5	48.8	2	85.5	48.8
254.gap	2	63.4	40.2	2	63.4	40.2
255.vortex	2	66.0	66.8	2	66.0	66.8
256.bzip2	2	118	29.4	2	118	29.4
300.twolf	2	143	48.8	2	143	48.8

### Hardware

CPU: Intel Xeon 5120 processor (1.86 GHz, 4MB L2 shared, 1066 MHz system bus)  
 CPU MHz: 1860  
 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: 8x1GB 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 (64-bit)  
 Compiler: Intel C++ Compiler 9.1  
 Build 20060519Z (for 32-bit applications),  
 Microsoft Visual Studio .NET 2003(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  
 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/>