



# CINT2000 Result

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## Itautec

Servidor Itautec LX211 (Intel Xeon 5140 processor)

SPECint\_rate2000 = 49.9

SPECint\_rate\_base2000 = 49.9

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	98.2	33.1	2	98.2	33.1
175.vpr	2	89.0	36.5	2	89.0	36.5
176.gcc	2	51.7	49.3	2	51.7	49.3
181.mcf	2	89.1	46.9	2	89.1	46.9
186.crafy	2	46.4	50.0	2	46.4	50.0
197.parser	2	107	39.1	2	107	39.1
252.eon	2	42.9	70.2	2	42.9	70.2
253.perlbnk	2	68.9	60.6	2	68.9	60.6
254.gap	2	49.9	51.2	2	49.9	51.2
255.vortex	2	51.5	85.6	2	51.5	85.6
256.bzip2	2	91.8	37.9	2	91.8	37.9
300.twolf	2	113	61.8	2	113	61.8

### Hardware

CPU: Intel Xeon 5140 processor (2.33 GHz, 4MB L2 shared, 1333 MHz system bus)  
CPU MHz: 2330  
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: 4x1GB 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 +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/>