



# CINT2000 Result

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## Itaotec

Servidor Itaotec MX201 (Intel Xeon processor E5320, 1.86 GHz)

SPECint\_rate2000 = 147

SPECint\_rate\_base2000 = 147

SPEC license #: 9001 | Tested by: Itaotec | 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	126	103	8	126	103
175.vpr	8	124	105	8	124	105
176.gcc	8	60.4	169	8	60.4	169
181.mcf	8	155	108	8	155	108
186.crafty	8	58.4	159	8	58.4	159
197.parser	8	132	127	8	132	127
252.eon	8	53.9	224	8	53.9	224
253.perlbnk	8	86.6	193	8	86.6	193
254.gap	8	93.4	109	8	93.4	109
255.vortex	8	70.8	249	8	70.8	249
256.bzip2	8	126	110	8	126	110
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: 32 KB I + 32 KB 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: 8x1GB DDR2-RAM PC2-5300F (CAS 5-5-5)  
Disk Subsystem: 1 x 73GB SCSI 10000RPM  
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>

This result was measured on the Servidor Itaotec MX221.  
The Servidor Itaotec MX201 and the Servidor Itaotec MX221  
are electronically equivalent.