



# CINT2000 Result

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## Itaotec

Servidor Itaotec ZX440 (Intel Xeon 7140M processor, 3.40 GHz)

SPECint\_rate2000 = 162

SPECint\_rate\_base2000 = 162

SPEC license #: 9001 | Tested by: Itaotec | Test date: Sep-2006 | Hardware Avail: Jul-2006 | Software Avail: May-2006

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.zip	16	198	131	16	198	131
175.vpr	16	239	109	16	239	109
176.gcc	16	97.6	209	16	97.6	209
181.mcf	16	200	167	16	200	167
186.crafty	16	159	116	16	159	116
197.parser	16	206	162	16	206	162
252.eon	16	106	228	16	106	228
253.perlbnk	16	198	169	16	198	169
254.gap	16	158	129	16	158	129
255.vortex	16	134	264	16	134	264
256.bzip2	16	180	155	16	180	155
300.twolf	16	326	171	16	326	171

### Hardware

CPU: Intel Xeon 7140M processor (3.40 GHz, 2x1MB L2, 16MB L3, 800 MHz system bus)  
CPU MHz: 3400  
FPU: Integrated  
CPU(s) enabled: 8 cores, 4 chips, 2 cores/chip (Hyper-Threading Technology enabled)  
CPU(s) orderable: 1,2,3,4  
Parallel: No  
Primary Cache: 12k micro-ops I + 16KBD on chip, per core  
Secondary Cache: 1024KB(I+D) on chip, per core  
L3 Cache: 16MB on chip, per chip  
Other Cache: N/A  
Memory: 16x1GB DDR2-RAM PC2-3200R (CAS 3-3-3)  
Disk Subsystem: 1 x 36GB SCSI 10000 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 .NET 7.0.9466 (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/>