



# CINT2000 Result

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IBM Corporation  
IBM System X 3800 (3.13 GHz Xeon 7130N)

SPECint\_rate2000 = --  
SPECint\_rate\_base2000 = 139

SPEC license #: 11 | Tested by: IBM Corporation | Test date: Dec-2006 | Hardware Avail: Oct-2006 | Software Avail: May-2006

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	16	212	123			
175.vpr	16	283	91.9			
176.gcc	16	113	180			
181.mcf	16	324	103			
186.crafty	16	169	110			
197.parser	16	253	132			
252.eon	16	114	212			
253.perlbnk	16	211	159			
254.gap	16	189	108			
255.vortex	16	158	223			
256.bzip2	16	203	137			
300.twolf	16	353	158			

### Hardware

CPU: Intel Xeon processor 7130N ( 3.13 GHz, 667 MHz bus)  
CPU MHz: 3133  
FPU: Integrated  
CPU(s) enabled: 8 cores, 4 chips, 2 cores/chip (Hyper-Threading Technology enabled)  
CPU(s) orderable: 1, 2, 4 chips  
Parallel: No  
Primary Cache: 12 K I micro-ops + 16 KB D on chip per core  
Secondary Cache: 1 MB I+D on chip per core  
L3 Cache: 16 MB on chip per chip  
Other Cache: N/A  
Memory: 16 x 2048 MB ECC PC2-3200  
Disk Subsystem: 73GB SAS 15K RPM  
Other Hardware:

### Software

Operating System: Microsoft Windows Server 2003 Enterprise x64 Edition + SP1 (64-bit)  
Compiler: Intel C++ Compiler 9.1 for 32-bit applications  
Build 20060323Z Package ID: W\_CC\_P\_9.1.020  
Microsoft Visual Studio 2005 (for libraries)  
SmartHeap Library Version 8.0 from <http://www.microquill.com/>  
File System: NTFS  
System State: Default

## Notes/Tuning Information

```
+FDO: PASS1=-Qprof_gen PASS2=-Qprof_use
Base tuning for C programs: -fast +FDO shlw32M-80.lib
Base tuning for C++ programs: -fast -Qcxx_features +FDO shlw32M-80.lib
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
```

### Bios Settings

Hardware Prefetch enabled  
Memory Array set to High-Performance Memory Array