



# CINT2000 Result

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**IBM Corporation**  
IBM System X 3950 (3.33 GHz Xeon 7140N)

SPECint\_rate2000 = --  
SPECint\_rate\_base2000 = 156

SPEC license #: 11 | Tested by: IBM Corporation | Test date: Jan-2007 | Hardware Avail: Oct-2006 | Software Avail: Mar-2006

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	16	201	129			
175.vpr	16	247	105			
176.gcc	16	106	192			
181.mcf	16	192	174			
186.crafy	16	158	117			
197.parser	16	231	145			
252.eon	16	108	223			
253.perlbnk	16	198	169			
254.gap	16	184	111			
255.vortex	16	140	251			
256.bzip2	16	181	154			
300.twolf	16	335	166			

### Hardware

CPU: Intel Xeon processor 7140N ( 3.33 GHz, 667 MHz bus)  
CPU MHz: 3333  
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 10K 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