



# CINT2000 Result

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IBM Corporation  
IBM System X 3800 (3.5 GHz Xeon 7150N)

SPECint2000 = --  
SPECint\_base2000 = 1780

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	
164.gzip	1400	118	1188			
175.vpr	1400	113	1240			
176.gcc	1100	53.5	2055			
181.mcf	1800	75.2	2394			
186.crafty	1000	75.7	1322			
197.parser	1800	127	1417			
252.eon	1300	54.5	2387			
253.perlbmk	1800	84.2	2137			
254.gap	1100	60.7	1812			
255.vortex	1900	58.2	3264			
256.bzip2	1500	108	1383			
300.twolf	3000	168	1783			

## Hardware

CPU: Intel Xeon processor 7150N (3.5 GHz, 667 MHz bus)  
 CPU MHz: 3500  
 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.perlbmk: -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