



# CINT2000 Result

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IBM Corporation  
IBM System X 3850 (2.5 GHz Xeon 7110N)

SPECint2000 = --  
SPECint\_base2000 = 1234

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
164.gzip	1400	164	853		
175.vpr	1400	168	835		
176.gcc	1100	77.3	1423		
181.mcf	1800	121	1482		
186.crafty	1000	106	944		
197.parser	1800	181	992		
252.eon	1300	76.3	1705		
253.perlbmk	1800	120	1500		
254.gap	1100	83.0	1325		
255.vortex	1900	90.0	2111		
256.bzip2	1500	154	973		
300.twolf	3000	236	1273		

### Hardware

CPU: Intel Xeon processor 7110N ( 2.5 GHz, 667 MHz bus)  
CPU MHz: 2500  
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: 4 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