



# CINT2000 Result

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IBM Corporation  
IBM System X 3800 (2.5 GHz Xeon 7110N)

SPECint\_rate2000 = --  
SPECint\_rate\_base2000 = 103

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	268	97.0			
175.vpr	16	409	63.5			
176.gcc	16	149	137			
181.mcf	16	616	54.2			
186.crafy	16	218	85.3			
197.parser	16	345	96.9			
252.eon	16	144	168			
253.perlbnk	16	270	124			
254.gap	16	206	99.0			
255.vortex	16	212	167			
256.bzip2	16	308	90.5			
300.twolf	16	465	120			

### 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: 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