



# CINT2000 Result

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## IBM Corporation

IBM BladeCenter HS21 XM (1.60 GHz Xeon E5310, 8MB L2 Cache)

SPECint2000 = --

SPECint\_base2000 = 1680

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	
164.gzip	1400	141	991			
175.vpr	1400	113	1234			
176.gcc	1100	60.1	1830			
181.mcf	1800	64.9	2775			
186.crafty	1000	67.3	1485			
197.parser	1800	144	1246			
252.eon	1300	62.5	2081			
253.perlbmk	1800	92.2	1953			
254.gap	1100	67.2	1638			
255.vortex	1900	66.4	2862			
256.bzip2	1500	120	1252			
300.twolf	3000	163	1846			

### Hardware

CPU: Intel Xeon processor E5310 (1.60 GHz, 1066 MHz bus)  
 CPU MHz: 1600  
 FPU: Integrated  
 CPU(s) enabled: 8 cores, 2 chips, 4 cores/chip  
 CPU(s) orderable: 1, 2  
 Parallel: No  
 Primary Cache: 32KB(I) + 32KB(D) on chip (per core)  
 Secondary Cache: 8MB(I+D) on chip, per chip (4MB shared per 2 cores)  
 L3 Cache: N/A  
 Other Cache: N/A  
 Memory: 8 x 2048 MB ECC PC2-5300F  
 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  
 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.lib
Base tuning for C++ programs: -fast -Qcxx_features +FDO shlW32M.lib
Portability flags:
176.gcc: -Dalloca=_alloca /F10000000
186.crafty: -DNT_i386
252.eon: -DHAS_ERRLIST
253.perlbmk: -DSPEC_CPU2000_NTOS -DPERLDLL /MT
254.gap: -DSYS_HAS_CALLOC_PROTO -DSYS_HAS_MALLOC_PROTO
```