**IBM Corporation**  
IBM BladeCenter HS21 (1.6 GHz Xeon E5310, 8MB L2 Cache)  

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**Hardware**  
- **CPU:** Intel Xeon processor E5310 (1.6 GHz, 1066 MHz bus)  
- CPU MHz: 1600  
- FPU: Integrated  
- CPU(s) enabled: 8 cores, 2 chips, 4 cores/chip  
- CPU(s) orderable: 1, 2 chips  
- 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 1024 MB ECC PC2-5300F  
- Disk Subsystem: 73GB SAS 10K RPM  
- Other Hardware: Memory and I/O Expansion Unit (P/N 42C1600)

**Software**  
- Compiler: Intel C++ Compiler 9.1 for 32-bit applications  
- 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: -Dallocalloca=_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

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