



# CINT2000 Result

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**Bull**  
Express5800-120Rh-2 (3.6GHz Intel Xeon)

SPECint\_rate2000 = 40.4  
SPECint\_rate\_base2000 = 40.4

SPEC license #: 20 | Tested by: Bull | Test date: May-2006 | Hardware Avail: Dec-2005 | Software Avail: Mar-2006

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.zip	4	179	36.2	4	179	36.2
175.vpr	4	247	26.3	4	247	26.3
176.gcc	4	91.7	55.7	4	91.7	55.7
181.mcf	4	382	21.9	4	382	21.9
186.crafty	4	146	31.8	4	146	31.8
197.parser	4	208	40.3	4	208	40.3
252.eon	4	115	52.3	4	115	52.3
253.perlbnk	4	181	46.2	4	181	46.2
254.gap	4	123	41.6	4	123	41.6
255.vortex	4	125	70.7	4	125	70.7
256.bzip2	4	200	34.8	4	200	34.8
300.twolf	4	273	51.0	4	273	51.0

### Hardware

CPU: Intel Xeon Processor (3.6GHz, 2MB L2, 800MHz bus)  
CPU MHz: 3600  
FPU: Integrated  
CPU(s) enabled: 2 cores, 2 chips, 1 core/chip (Hyper-Threading Technology enabled)  
CPU(s) orderable: 1 to 2  
Parallel: No  
Primary Cache: 12KB(I) micro-ops + 16KB(D) on chip  
Secondary Cache: 2048KB(I+D) on chip  
L3 Cache: N/A  
Other Cache: N/A  
Memory: 4GB (1GB DIMMx4, DDR2-400 2-way interleaved, CL3)  
Disk Subsystem: 2x73GB SCSI 10000 rpm  
Other Hardware:

### Software

Operating System: Windows Server 2003 Enterprise Edition (32 bits), Service Pack 1  
Compiler: Intel(R) C++ Compiler for 32-bit app., Version 9.0, - Build 20060222Z Package ID: W\_CC\_C\_9.0.030  
Microsoft Visual Studio .NET 2003 (for libraries)  
MicroQuill SmartHeap Library 8.0 (shlW32M.lib)  
File System: NTFS  
System State: Default

## Notes/Tuning Information

### Portability flags:

176.gcc: -Dalloca=\_alloca /F10000000  
186.crafty: -DNT\_i386  
253.perlbnk: -DSPEC\_CPU2000\_NTOS -DPERLDLL /MT  
254.gap: -DSYS\_HAS\_CALLOC\_PROTO -DSYS\_HAS\_MALLOC\_PROTO

### Feedback optimization:

+FDO: PASS1= -Qprof\_gen PASS2= -Qprof\_use

### Baseline Tuning Flags:

for C programs:  
-fast +FDO ONESTEP=yes shlW32M.lib  
for C++ program 252.eon:  
-fast -Qcxx\_features +FDO ONESTEP=yes

### Peak Tuning Flags: Basepeak=yes

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