



# CINT2000 Result

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Intel Corporation  
Intel VC820 (800EB MHz, Pentium III processor)

SPECint2000 = 386  
SPECint\_base2000 = 380

SPEC license #: 13 Tested by: Intel Corporation Test date: Nov-2000 Hardware Avail: Mar-2000 Software Avail: Nov-2000

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	200 400 600 800			
164.gzip	1400	318	440	314	446	[Bar chart showing ratio]			
175.vpr	1400	461	303	460	304	[Bar chart showing ratio]			
176.gcc	1100	327	336	326	338	[Bar chart showing ratio]			
181.mcf	1800	672	268	670	268	[Bar chart showing ratio]			
186.crafty	1000	238	421	237	421	[Bar chart showing ratio]			
197.parser	1800	598	301	598	301	[Bar chart showing ratio]			
252.eon	1300	262	496	235	554	[Bar chart showing ratio]			
253.perlbnk	1800	365	494	364	494	[Bar chart showing ratio]			
254.gap	1100	294	374	294	374	[Bar chart showing ratio]			
255.vortex	1900	318	598	312	609	[Bar chart showing ratio]			
256.bzip2	1500	455	330	440	341	[Bar chart showing ratio]			
300.twolf	3000	898	334	894	336	[Bar chart showing ratio]			

### Hardware

CPU: Pentium III processor (800EB MHz, 133 MHz bus)  
CPU MHz: 800  
FPU: Integrated  
CPU(s) enabled: 1 core, 1 chip, 1 core/chip  
CPU(s) orderable: 1  
Parallel: No  
Primary Cache: 16KBI + 16KBD on chip  
Secondary Cache: 256KB(I+D) on chip  
L3 Cache: N/A  
Other Cache: N/A  
Memory: 256 MB (2 128 MB PC800 RDRAM non-ECC modules)  
Disk Subsystem: IBM DTLA-307030 ATA-100  
Other Hardware: Creative Labs Annihilator 2

### Software

Operating System: Windows 2000 (Build 2195)  
Compiler: Intel C/C++ Compiler 5.0, Microsoft Visual C++ 6.0 (for libraries), Other software: Microquill SmartHeap V5.0  
File System: FAT32  
System State: Default

## Notes/Tuning Information

```
+FDO: PASS1=-Qprof_gen PASS2=-Qprof_use
Base tuning for C programs: -QxK -Qipo shlw32M.lib +FDO
Base tuning for C++ programs: -QxK -Qipo -GX -GR
shlw32M.lib is the SmartHeap library V5.0 from MicroQuill www.microquill.com
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
Peak tuning:
164.gzip, 175.vpr, 176.gcc, 181.mcf, 186.crafty, 197.parser, 253.perlbnk, 254.gap:
-QxK -Qipo FDO shlw32M.lib
255.vortex, 256.bzip2, 300.twolf:
-QxK -Qipo FDO -Oa shlw32M.lib
252.eon:
-QxK -Qipo +FDO
Tested systems can be used with Shin-G ATX case, Sparkle Inc.,
power supply. Product description located as of 03/2000:
http://developer.intel.com/design/motherbd/vc/vc_ds.htm
Motherboard is available through Intel OEM Distribution Channel. See
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## Notes/Tuning Information (Continued)

<http://channel.intel.com/> for more information

The system bus runs at 133 MHz