



# CINT2000 Result

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Intel Corporation  
Intel SE440BX-2 (650 MHz Pentium III)

SPECint2000 = 299  
SPECint\_base2000 = 295

SPEC license #: 13 Tested by: Intel Corporation Test date: Mar-2000 Hardware Avail: Nov-1999 Software Avail: Feb-2000

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	
164.gzip	1400	447	313	436	321	
175.vpr	1400	544	258	540	259	
176.gcc	1100	435	253	427	258	
181.mcf	1800	775	232	772	233	
186.crafty	1000	305	328	305	328	
197.parser	1800	684	263	684	263	
252.eon	1300	493	264	493	264	
253.perlbnk	1800	465	387	465	387	
254.gap	1100	396	278	392	281	
255.vortex	1900	385	493	375	507	
256.bzip2	1500	562	267	541	277	
300.twolf	3000	1048	286	1018	295	

### Hardware

CPU: 650 MHz Pentium III processor  
CPU MHz: 650  
FPU: Integrated  
CPU(s) enabled: 1 core, 1 chip, 1 core/chip  
CPU(s) orderable: 1  
Parallel: No  
Primary Cache: 16KBI + 16KBD on-die  
Secondary Cache: 256KB(I+D) on-die ECC  
L3 Cache: N/A  
Other Cache: N/A  
Memory: 256 MB PC100 SDRAM  
Disk Subsystem: IBM DJNA 371800 ATA-66  
Other Hardware: Diamond Multimedia Viper 770 Ultra TNT2 AGP

### Software

Operating System: Windows 2000 (Build 2195)  
Compiler: Intel C Compiler 4.5 for Windows 2000  
Microsoft Visual C++ 6.0 C libraries, SmartHeap library  
File System: FAT32  
System State: Default

## Notes/Tuning Information

+FDO: PASS1=-Qprof\_gen PASS2=-Qprof\_use  
Base tuning: -QxK -Qipo\_wp shlw32M.lib +FDO  
shlw32M.lib is the SmartHeap library V5.0 from MicroQuill www.microquill.com  
Portability flags:  
176.gcc: -Dalloca=\_alloca /F10000000 -Op  
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, 181.mcf, 186.crafty, 197.parser, 252.eon, 253.perlbnk:  
-QxK -Qipo\_wp FDO shlw32M.lib  
176.gcc, 254.gap, 255.vortex, 256.bzip2, 300.twolf:  
-QxK -Qipo\_wp FDO -Oa shlw32M.lib  
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/se2/se2\\_ds.htm](http://developer.intel.com/design/motherbd/se2/se2_ds.htm)  
Motherboard is available through Intel OEM Distribution Channel. See  
<http://channel.intel.com/> for more information  
The system bus runs at 100 MHz