



# CINT2000 Result

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## Intel Corporation

Intel D815EEA2 motherboard (800 MHz, Pentium III processor)

SPECint2000 = 386

SPECint\_base2000 = 380

SPEC license #: 13 Tested by: Intel Corporation Test date: Aug-2001 Hardware Avail: Aug-2001 Software Avail: Oct-2000

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
164.gzip	1400	364	385	357	392
175.vpr	1400	437	321	437	320
176.gcc	1100	360	305	360	305
181.mcf	1800	633	284	634	284
186.crafty	1000	242	414	242	414
197.parser	1800	581	310	581	310
252.eon	1300	265	491	235	553
253.perlbnk	1800	366	491	366	491
254.gap	1100	288	382	288	382
255.vortex	1900	316	602	309	614
256.bzip2	1500	445	337	430	349
300.twolf	3000	848	354	846	355

### Hardware

CPU: Pentium III processor (800 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: 128 MB PC133 CL2 SDRAM (2 \* 128 MB sticks)  
 Disk Subsystem: IBM DTLA-307030 ATA-100  
 Other Hardware: None

### Software

Operating System: Windows 2000 (Build 2195, SP1)  
 Compiler: Intel C++ Compiler 5.0 for Windows Build 001120  
 Microsoft Visual C++ 6.0(for libraries)  
 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, Nspire MAV-250P power supply.
Product information as of 08/2001:
http://developer.intel.com/design/motherbd/ea2/index.htm
Motherboard is available through Intel OEM Distribution Channel.
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## Notes/Tuning Information (Continued)

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

The system bus runs at 133 MHz