



# CINT2000 Result

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**RLX**  
**800i (800 MHz PIII)**

SPECint2000 = **435**  
SPECint\_base2000 = **427**

SPEC license #: 1042 Tested by: RLX, The Woodlands, TX Test date: Jul-2002 Hardware Avail: Mar-2002 Software Avail: Jun-2001

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	
164.gzip	1400	314	446	313	447	
175.vpr	1400	382	367	366	383	
176.gcc	1100	236	467	236	467	
181.mcf	1800	659	273	659	273	
186.crafy	1000	231	433	232	432	
197.parser	1800	506	356	508	354	
252.eon	1300	278	467	239	543	
253.perlbmk	1800	369	488	369	488	
254.gap	1100	276	398	276	398	
255.vortex	1900	271	701	264	719	
256.bzip2	1500	372	403	371	404	
300.twolf	3000	676	444	676	444	

### Hardware

CPU: Intel Pentium III  
 CPU MHz: 800  
 FPU: Integrated  
 CPU(s) enabled: 1 core, 1 chip, 1 core/chip  
 CPU(s) orderable: 1  
 Parallel: No  
 Primary Cache: 16KB(I) + 16KB(D) on chip  
 Secondary Cache: 512KB(I+D) on chip  
 L3 Cache: N/A  
 Other Cache: N/A  
 Memory: 1024MB PC2100 DDR SDRAM  
 Disk Subsystem: 1 x 20GB IDE IBM Travelstar IC25N020ATCX04-0  
 Other Hardware: Micron Copperhead Northbridge

### Software

Operating System: Windows 2000 Server (SP2 Build 2195)  
 Compiler: Intel C++ Compiler 5.0.1 (010727Z)  
 Microsoft Visual C++ 6.0 (SP5)  
 MicroQuill SmartHeap Library 6.0  
 File System: NTFS  
 System State: Default

## Notes/Tuning Information

### PORTABILITY FLAGS

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

### FEEDBACK-DIRECTED OPTIMIZATION

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

### BASE TUNING

C: -Qipo +FDO -QxK shlW32M.lib  
 C++: -Qipo -QxK -GX -GR

### PEAK TUNING

164.gzip: -Qipo +FDO -QxK shlW32M.lib  
 175.vpr: -Qipo +FDO -QxK  
 176.gcc: -Qipo +FDO -QxK shlW32M.lib  
 181.mcf: -Qipo +FDO -QxK shlW32M.lib  
 186.crafy: -Qipo +FDO -QxK shlW32M.lib  
 197.parser: -Qipo +FDO -QxK shlW32M.lib  
 252.eon: -Qipo +FDO -QxK  
 253.perlbmk: -Qipo +FDO -QxK shlW32M.lib  
 254.gap: -Qipo +FDO -QxK shlW32M.lib



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## Notes/Tuning Information (Continued)

```
255.vortex: -Qipo +FDO -QxK -Oa shlw32M.lib
256.bzip2:  -Qipo +FDO -QxK -Oa shlw32M.lib
300.twolf:  -Qipo +FDO -QxK -Oa shlw32M.lib
EXTRA LIBRARIES
shlw32M.lib: MicroQuill SmartHeap Library 6.0
              www.microquill.com
```