



# CINT2000 Result

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**Dell**  
**PowerEdge 1500SC (1.4 GHz PIII)**

SPECint2000 = **664**  
SPECint\_base2000 = **648**

SPEC license #: 55 Tested by: Dell, Round Rock, TX Test date: Dec-2001 Hardware Avail: Jan-2002 Software Avail: Jun-2001

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	
164.gzip	1400	182	768	174	805	
175.vpr	1400	283	494	269	520	
176.gcc	1100	154	714	154	713	
181.mcf	1800	560	321	559	322	
186.crafy	1000	133	750	133	751	
197.parser	1800	331	544	331	544	
252.eon	1300	142	918	125	1038	
253.perlbmk	1800	217	831	216	831	
254.gap	1100	199	554	199	554	
255.vortex	1900	175	1089	170	1119	
256.bzip2	1500	280	535	272	551	
300.twolf	3000	479	626	477	629	

### Hardware

CPU: Intel Pentium III  
 CPU MHz: 1400  
 FPU: Integrated  
 CPU(s) enabled: 1 core, 1 chip, 1 core/chip  
 CPU(s) orderable: 1, 2  
 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 SDRAM  
 Disk Subsystem: 1 x 9GB Quantum Atlas 10K II U160  
 Other Hardware:

### 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 5.0  
 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 5.0
              www.microquill.com
```