



# CINT2000 Result

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**Dell**  
Precision Workstation 360 (3.2 GHz Pentium 4 Extreme Edition)

SPECint2000 = **1601**  
SPECint\_base2000 = **1570**

SPEC license #: 55 Tested by: Dell Inc., Round Rock, TX Test date: Feb-2004 Hardware Avail: Nov-2003 Software Avail: Dec-2003

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	
164.gzip	1400	105	1337	105	1334	
175.vpr	1400	119	1179	119	1179	
176.gcc	1100	58.1	1894	58.1	1894	
181.mcf	1800	108	1670	109	1655	
186.crafty	1000	78.7	1270	77.8	1285	
197.parser	1800	129	1399	129	1399	
252.eon	1300	77.6	1676	68.3	1903	
253.perlbmk	1800	122	1481	115	1561	
254.gap	1100	63.4	1736	63.4	1736	
255.vortex	1900	72.4	2626	72.4	2626	
256.bzip2	1500	113	1329	111	1357	
300.twolf	3000	177	1690	173	1737	

### Hardware

CPU: Intel Pentium 4 (800 MHz system bus)  
 CPU MHz: 3200  
 FPU: Integrated  
 CPU(s) enabled: 1 core, 1 chip, 1 core/chip (Hyper-Threading Technology disabled)  
 CPU(s) orderable: 1  
 Parallel: No  
 Primary Cache: 12K(I) micro-ops + 8KB(D) on chip  
 Secondary Cache: 512KB(I+D) on chip  
 L3 Cache: 2048KB(I+D) on chip  
 Other Cache: N/A  
 Memory: 4 x 512MB ECC DDR400 SDRAM  
 Disk Subsystem: 1 x 80GB ATA/100 7200 RPM  
 Other Hardware:

### Software

Operating System: Windows XP Professional SP1  
 Compiler: Intel C/C++ Compiler 8.0 (20031229Z)  
 Microsoft Visual Studio .NET (7.0.9466)  
 File System: NTFS  
 System State: Default

## Notes/Tuning Information

### GENERAL

ONESTEP=yes  
 +FDO: PASS1=-Qprof\_gen PASS2=-Qprof\_use

### PORTABILITY FLAGS

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

### BASE TUNING

C: -QxN -Qipo -O3 +FDO  
 C++: -QxN -Qipo -GX -GR

### PEAK TUNING

164.gzip: -QxN -Qipo -O3 -Oa +FDO  
 175.vpr: basepeak=yes  
 176.gcc: basepeak=yes  
 181.mcf: -QxN -Qipo -O3 +FDO shlw32M.lib  
 186.crafty: -QxN -Qipo -O3 -Oa +FDO shlw32M.lib  
 197.parser: basepeak=yes  
 252.eon: -QxN -Qipo -O3 +FDO  
 253.perlbmk: -QxN -Qipo -O3 +FDO shlw32M.lib



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## Notes/Tuning Information (Continued)

```
254.gap:      basepeak=yes
255.vortex    basepeak=yes
256.bzip2:    -Qipo      -Oa -Qunroll1 +FDO shlw32M.lib
300.twolf:    -QxN -Qipo -O3      +FDO shlw32M.lib
EXTRA LIBRARIES
shlw32M.lib:  MicroQuill SmartHeap Library 7.1
              www.microquill.com
```

### NOTES

Hyper-Threading Technology not enabled.