



CINT2000 Result

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Dell
Precision WorkStation 350 (2.26 GHz P4)

SPECint2000 = **909**
SPECint_base2000 = **871**

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	
164.gzip	1400	164	854	147	954	
175.vpr	1400	272	515	249	563	
176.gcc	1100	106	1042	105	1049	
181.mcf	1800	248	726	248	726	
186.crafty	1000	113	888	113	889	
197.parser	1800	220	817	215	837	
252.eon	1300	134	974	114	1140	
253.perlbnk	1800	173	1042	173	1042	
254.gap	1100	99.9	1101	96.1	1144	
255.vortex	1900	142	1337	136	1398	
256.bzip2	1500	214	701	210	715	
300.twolf	3000	400	749	393	764	

Hardware

CPU: Intel Pentium 4 (533 MHz system bus)
 CPU MHz: 2266
 FPU: Integrated
 CPU(s) enabled: 1 core, 1 chip, 1 core/chip
 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: N/A
 Other Cache: N/A
 Memory: 2 x 256MB PC1066-32 ECC RDRAM
 Disk Subsystem: 1 x 20GB Maxtor 7.2K ATA/100
 Other Hardware:

Software

Operating System: Windows XP Professional
 Compiler: Intel C++ Compiler 6.0 (020613Z)
 Microsoft Visual Studio .NET (7.0.9466)
 MicroQuill SmartHeap Library 6.01
 File System: NTFS
 System State: Default

Notes/Tuning Information

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

FEEDBACK-DIRECTED OPTIMIZATION

FDO: PASS1= -Qprof_gen PASS2= -Qprof_use

BASE TUNING

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

PEAK TUNING

164.gzip: -Qipo -QxW -O3 +FDO
 175.vpr: -Qipo -QxW -O3 +FDO
 176.gcc: -Qipo -QxW -O3 +FDO
 181.mcf: -Qipo -QxW -O3 +FDO shlW32M.lib
 186.crafty: -Qipo -QxW -O3 +FDO
 197.parser: -Qipo -QxW -O3 +FDO
 252.eon: -Qipo -QxW -O3 +FDO
 253.perlbnk: -Qipo -QxW +FDO shlW32M.lib
 254.gap: -Qipo -QaxW -O3 +FDO



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Notes/Tuning Information (Continued)

```
255.vortex: -Qwp_ipo -QxW -O3 -Oa +FDO
256.bzip2:  -Qipo -QxW -O3
300.twolf:  -Qipo -QxW -O3 -Oa shlw32M.lib
EXTRA LIBRARIES
shlw32M.lib: MicroQuill SmartHeap Library 6.01
              www.microquill.com
```