



CINT2000 Result

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Dell
Precision Workstation 360 (3.4 GHz Pentium 4 Extreme Edition)

SPECint2000 = **1689**
SPECint_base2000 = **1658**

SPEC license #: 55 Tested by: Dell Inc., Round Rock, TX Test date: Jun-2004 Hardware Avail: Jun-2004 Software Avail: Mar-2004

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	
164.gzip	1400	98.6	1420	98.8	1417	
175.vpr	1400	113	1237	113	1237	
176.gcc	1100	55.5	1983	55.5	1983	
181.mcf	1800	105	1716	106	1702	
186.crafty	1000	74.1	1350	73.1	1368	
197.parser	1800	121	1484	121	1484	
252.eon	1300	73.4	1772	65.0	1999	
253.perlbmk	1800	114	1577	109	1657	
254.gap	1100	59.8	1841	59.8	1841	
255.vortex	1900	67.7	2806	67.7	2806	
256.bzip2	1500	107	1397	105	1427	
300.twolf	3000	168	1788	163	1841	

Hardware

CPU: Intel Pentium 4 (800 MHz system bus)
 CPU MHz: 3400
 FPU: Integrated
 CPU(s) enabled: 1 core, 1 chip, 1 core/chip (HT Technology NOT enabled)
 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 CL3 DDR400 SDRAM
 Disk Subsystem: 1 x 40GB ATA/100 7200 RPM
 Other Hardware:

Software

Operating System: Windows XP Professional SP1
 Compiler: Intel C/C++ Compiler 8.0 (20040318Z)
 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
```