



CINT2000 Result

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Dell
Precision Workstation 360 (3.4E GHz Pentium 4)

SPECint2000 = **1484**
SPECint_base2000 = **1418**

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	125	1120	125	1119	
175.vpr	1400	144	971	144	971	
176.gcc	1100	60.6	1816	60.6	1816	
181.mcf	1800	145	1238	144	1250	
186.crafty	1000	80.8	1238	79.5	1258	
197.parser	1800	137	1311	137	1311	
252.eon	1300	80.3	1620	66.7	1950	
253.perlbmk	1800	112	1607	101	1781	
254.gap	1100	61.3	1793	61.3	1793	
255.vortex	1900	76.8	2473	76.8	2473	
256.bzip2	1500	141	1066	138	1088	
300.twolf	3000	222	1350	180	1668	

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 + 16KB(D) on chip
 Secondary Cache: 1024KB(I+D) on chip
 L3 Cache: N/A
 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: -QxP -Qipo -O3 +FDO
 C++: -QxP -Qipo -GX -GR

PEAK TUNING

164.gzip: -QxP -Qipo -O3 -Oa +FDO
 175.vpr: basepeak=yes
 176.gcc: basepeak=yes
 181.mcf: -QxP -Qipo -O3 +FDO shlw32M.lib
 186.crafty: -QxP -Qipo -O3 -Oa +FDO shlw32M.lib
 197.parser: basepeak=yes
 252.eon: -QxP -Qipo -O3 +FDO
 253.perlbmk: -QxP -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:    -QxP -Qipo -O3      +FDO shlW32M.lib
EXTRA LIBRARIES
shlW32M.lib:  MicroQuill SmartHeap Library 7.1
              www.microquill.com
```