



CINT2000 Result

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Dell
Precision Workstation 360 (3.20E GHz Pentium 4)

SPECint2000 = **1404**
SPECint_base2000 = **1348**

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	
164.gzip	1400	132	1061	132	1061	
175.vpr	1400	151	930	151	930	
176.gcc	1100	64.1	1717	64.1	1717	
181.mcf	1800	147	1224	146	1234	
186.crafty	1000	86.4	1158	85.0	1176	
197.parser	1800	146	1231	146	1231	
252.eon	1300	83.3	1560	71.6	1815	
253.perlbmk	1800	120	1499	109	1653	
254.gap	1100	64.6	1703	64.6	1703	
255.vortex	1900	80.3	2365	80.3	2365	
256.bzip2	1500	147	1023	144	1044	
300.twolf	3000	238	1262	195	1541	

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 + 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 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

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

ONESTEP=yes
FDO: PASS1=-Qprof_gen PASS2=-Qprof_use

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
```

NOTES
Hyper-Threading Technology not enabled.