



CINT2000 Result

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Dell
Precision Workstation 360 (2.80E GHz Pentium 4)

SPECint2000 = 1254
SPECint_base2000 = 1205

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	150	931	150	930	
175.vpr	1400	166	843	166	843	
176.gcc	1100	72.5	1518	72.5	1518	
181.mcf	1800	153	1177	151	1190	
186.crafty	1000	98.6	1014	97.0	1031	
197.parser	1800	165	1092	165	1092	
252.eon	1300	95.3	1364	81.9	1587	
253.perlbmk	1800	136	1322	124	1453	
254.gap	1100	73.0	1508	73.0	1508	
255.vortex	1900	89.4	2125	89.4	2125	
256.bzip2	1500	163	923	159	943	
300.twolf	3000	266	1129	220	1364	

Hardware

CPU: Intel Pentium 4 (800 MHz system bus)
 CPU MHz: 2800
 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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SPECint2000 =	1254
SPECint_base2000 =	1205

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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.