



CINT2000 Result

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Dell
Precision Workstation 650 (3.06 GHz Xeon, 1MB L3 Cache)

SPECint2000 = 1368
SPECint_base2000 = 1317

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	110	1271	110	1270	
175.vpr	1400	155	904	155	904	
176.gcc	1100	67.3	1634	67.3	1634	
181.mcf	1800	184	977	181	992	
186.crafty	1000	83.1	1203	82.2	1217	
197.parser	1800	147	1225	147	1225	
252.eon	1300	81.0	1605	71.2	1826	
253.perlbmk	1800	131	1370	123	1462	
254.gap	1100	69.1	1592	69.1	1592	
255.vortex	1900	82.6	2300	82.6	2300	
256.bzip2	1500	148	1016	145	1031	
300.twolf	3000	243	1235	195	1542	

Hardware

CPU: Intel Xeon (533 MHz system bus)
 CPU MHz: 3066
 FPU: Integrated
 CPU(s) enabled: 1 core, 1 chip, 1 core/chip (Hyper-Threading Technology disabled)
 CPU(s) orderable: 2
 Parallel: No
 Primary Cache: 12K(I) micro-ops + 8KB(D) on chip
 Secondary Cache: 512KB(I+D) on chip
 L3 Cache: 1024(I+D) on chip
 Other Cache: N/A
 Memory: 4 x 512MB ECC CL2-2-2 PC2100 DDR SDRAM
 Disk Subsystem: 1 x 18GB U320 SCSI, 10K 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

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
```

NOTES

```
1 CPU Disabled in the BIOS.
Hyper-Threading Technology not enabled.
```