# CINT2000 Result

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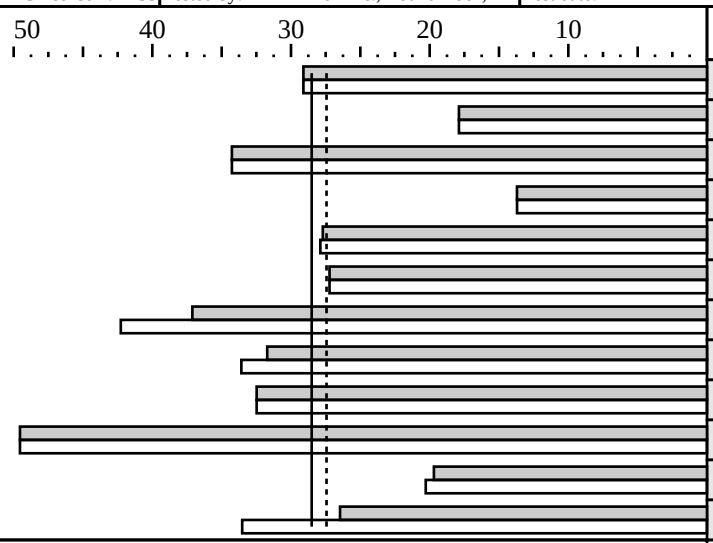
## Dell

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

SPECint_rate2000 = 28.5

SPECint_rate_base2000 = 27.4

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




| Benchmark | Base Copies | Base Runtime | Base Ratio | Copies | Runtime | Ratio |
|---|---|---|---|---|---|---|
| 164.gzip | 2 | 112 | 29.1 | 2 | 112 | 29.1 |
| 175.vpr | 2 | 182 | 17.9 | 2 | 182 | 17.9 |
| 176.gcc | 2 | 74.5 | 34.3 | 2 | 74.5 | 34.3 |
| 181.mcf | 2 | 305 | 13.7 | 2 | 305 | 13.7 |
| 186.crafty | 2 | 83.7 | 27.7 | 2 | 83.2 | 27.9 |
| 197.parser | 2 | 153 | 27.2 | 2 | 153 | 27.2 |
| 252.eon | 2 | 81.3 | 37.1 | 2 | 71.3 | 42.3 |
| 253.perlbmk | 2 | 132 | 31.7 | 2 | 124 | 33.6 |
| 254.gap | 2 | 78.6 | 32.5 | 2 | 78.6 | 32.5 |
| 255.vortex | 2 | 89.0 | 49.5 | 2 | 89.0 | 49.5 |
| 256.bzip2 | 2 | 177 | 19.7 | 2 | 172 | 20.3 |
| 300.twolf | 2 | 263 | 26.5 | 2 | 208 | 33.5 |

### Hardware

| | |
|---|---|
| CPU: | Intel Xeon (533 MHz system bus) |
| CPU MHz: | 3066 |
| FPU: | Integrated |
| CPU(s) enabled: | 2 cores, 2 chips, 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)<br>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.crafy:   -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
  Hyper-Threading Technology not enabled.
```