# CINT2000 Result

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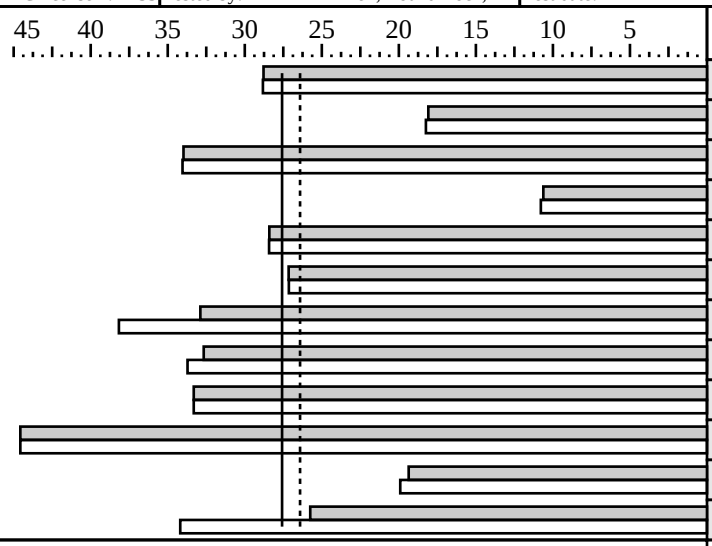
## Dell

Precision Workstation 650 (3.2 GHz Xeon, 1MB L3 Cache)

SPECint_rate2000 = 27.6

SPECint_rate_base2000 = 26.4

SPEC license #: 55 | Tested by: Dell, Round Rock, TX | Test date: Sep-2003 | Hardware Avail: Oct-2003 | Software Avail: Apr-2003




| Benchmark | Base Copies | Base Runtime | Base Ratio | Copies | Runtime | Ratio |
|---|---|---|---|---|---|---|
| 164.gzip | 2 | 113 | 28.8 | 2 | 113 | 28.8 |
| 175.vpr | 2 | 180 | 18.1 | 2 | 178 | 18.2 |
| 176.gcc | 2 | 75.1 | 34.0 | 2 | 75.0 | 34.0 |
| 181.mcf | 2 | 393 | 10.6 | 2 | 387 | 10.8 |
| 186.crafty | 2 | 81.7 | 28.4 | 2 | 81.6 | 28.4 |
| 197.parser | 2 | 154 | 27.2 | 2 | 154 | 27.1 |
| 252.eon | 2 | 91.7 | 32.9 | 2 | 79.0 | 38.2 |
| 253.perlbmk | 2 | 128 | 32.7 | 2 | 124 | 33.7 |
| 254.gap | 2 | 76.6 | 33.3 | 2 | 76.6 | 33.3 |
| 255.vortex | 2 | 98.9 | 44.6 | 2 | 98.9 | 44.6 |
| 256.bzip2 | 2 | 180 | 19.4 | 2 | 175 | 19.9 |
| 300.twolf | 2 | 270 | 25.8 | 2 | 204 | 34.2 |

### Hardware

| | |
|---|---|
| CPU: | Intel Xeon (533 MHz system bus) |
| CPU MHz: | 3200 |
| FPU: | Integrated |
| CPU(s) enabled: | 2 cores, 2 chips, 1 core/chip |
| CPU(s) orderable: | 1,2 |
| Parallel: | No |
| Primary Cache: | 12K(I) micro-ops + 8KB(D) on chip |
| Secondary Cache: | 512KB(I+D) on chip |
| L3 Cache: | 1024KB(I+D) on chip |
| Other Cache: | N/A |
| Memory: | 4 x 512MB PC2100 ECC DDR SDRAM CL2-2-2 |
| Disk Subsystem: | 1 x 36GB 10K RPM U320 SCSI |
| Other Hardware: | |

### Software

| | |
|---|---|
| Operating System: | Windows XP Professional SP1 |
| Compiler: | Intel C++ Compiler 7.1 (20030402Z)<br>Microsoft Visual Studio .NET (7.0.9466)<br>MicroQuill SmartHeap Library 6.01 |
| 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:           -QxW -Qipo -O3 +FDO
  C++:         -QxW -Qipo -GX -GR
PEAK TUNING
  164.gzip:    -QxW -Qipo -Oa -O3 +FDO
  175.vpr:     -QxW -Qipo     -O3 +FDO
  176.gcc:     -QxW -Qipo     -O3 +FDO
  181.mcf:     -QxW -Qipo     -O3 +FDO shlW32M.lib
  186.crafty:  -QxW -Qipo     -O3 +FDO
  197.parser:  -QxW -Qipo     -O3 +FDO
  252.eon:     -QxW -Qipo     -O3 +FDO
  253.perlbmk: -QxW -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
    300.twolf:   -Qipo -QxW -O3 -Oa      shlW32M.lib
  EXTRA LIBRARIES
    shlW32M.lib: MicroQuill SmartHeap Library 6.01
                 www.microquill.com
```