# CINT2000 Result

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## Dell

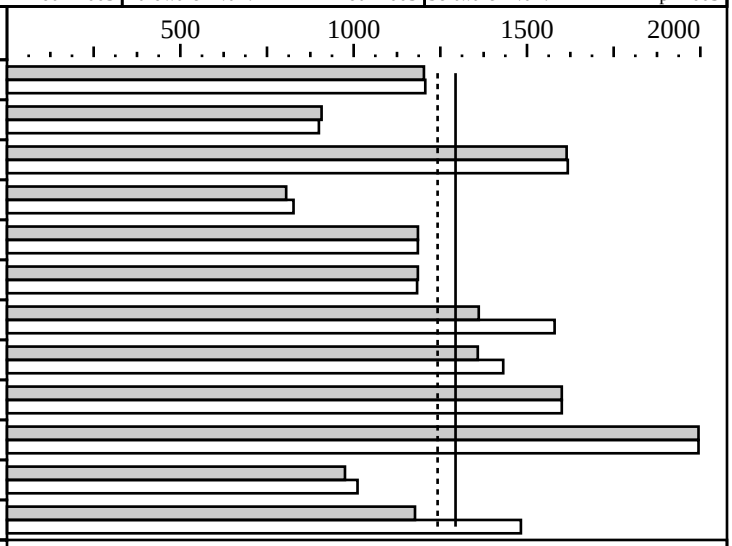
Precision Workstation 650 (3.06 GHz Xeon, 1MB L3 Cache)

SPECint2000 = 1294

SPECint_base2000 = 1242

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

| Benchmark | Reference Time | Base Runtime | Base Ratio | Runtime | Ratio |
|---|---|---|---|---|---|
| 164.gzip | 1400 | 116 | 1203 | 116 | 1207 |
| 175.vpr | 1400 | 154 | 907 | 156 | 900 |
| 176.gcc | 1100 | 68.1 | 1614 | 68.0 | 1618 |
| 181.mcf | 1800 | 224 | 805 | 218 | 827 |
| 186.crafty | 1000 | 84.4 | 1185 | 84.4 | 1185 |
| 197.parser | 1800 | 152 | 1185 | 152 | 1183 |
| 252.eon | 1300 | 95.5 | 1361 | 82.3 | 1580 |
| 253.perlbmk | 1800 | 133 | 1358 | 126 | 1431 |
| 254.gap | 1100 | 68.7 | 1600 | 68.7 | 1600 |
| 255.vortex | 1900 | 95.3 | 1995 | 95.3 | 1995 |
| 256.bzip2 | 1500 | 154 | 975 | 148 | 1011 |
| 300.twolf | 3000 | 255 | 1177 | 202 | 1482 |




### Hardware

| | |
|---|---|
| CPU: | Intel Xeon (533 MHz system bus) |
| CPU MHz: | 3066 |
| FPU: | Integrated |
| CPU(s) enabled: | 1 core, 1 chip, 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 |
| Other Cache: | N/A |
| Memory: | 4 x 512MB PC2100 CL2-2-2 DDR ECC SDRAM |
| Disk Subsystem: | 1 x 36GB 10K 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
NOTES:
  1 CPU disabled via BIOS setting.
```