# CINT2000 Result

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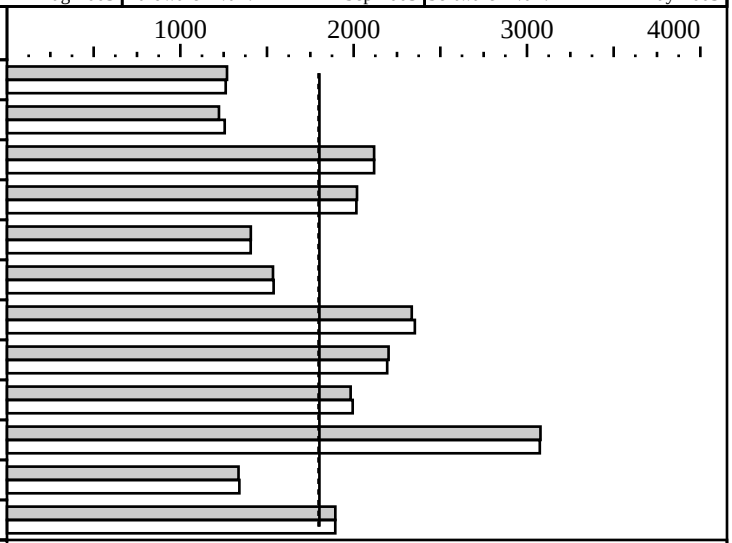
## Hewlett-Packard Company
## ProLiant DL380 G4 (3.8GHz, Intel Xeon)

SPECint2000 = 1802

SPECint_base2000 = 1797

SPEC license #: 3 | Tested by: Hewlett-Packard Company | Test date: Aug-2005 | Hardware Avail: Sep-2005 | Software Avail: May-2005

| Benchmark | Reference Time | Base Runtime | Base Ratio | Runtime | Ratio |
|---|---|---|---|---|---|
| 164.gzip | 1400 | 110 | 1269 | 111 | 1262 |
| 175.vpr | 1400 | 114 | 1223 | 111 | 1256 |
| 176.gcc | 1100 | 51.9 | 2118 | 51.9 | 2118 |
| 181.mcf | 1800 | 89.1 | 2019 | 89.3 | 2016 |
| 186.crafty | 1000 | 71.1 | 1407 | 71.1 | 1406 |
| 197.parser | 1800 | 117 | 1535 | 117 | 1538 |
| 252.eon | 1300 | 55.7 | 2335 | 55.3 | 2353 |
| 253.perlbmk | 1800 | 81.8 | 2201 | 82.1 | 2193 |
| 254.gap | 1100 | 55.5 | 1983 | 55.2 | 1994 |
| 255.vortex | 1900 | 61.7 | 3078 | 61.8 | 3074 |
| 256.bzip2 | 1500 | 112 | 1336 | 112 | 1341 |
| 300.twolf | 3000 | 158 | 1894 | 158 | 1894 |




### Hardware

| | |
|---|---|
| CPU: | Intel Xeon (3.8GHz, 2MB L2, 800MHz bus) |
| CPU MHz: | 3800 |
| FPU: | Integrated |
| CPU(s) enabled: | 1 core, 1 chip, 1 core/chip (Hyper-Threading Technology disabled) |
| CPU(s) orderable: | 1,2 |
| Parallel: | No |
| Primary Cache: | 12K micro-ops I + 16KBD on chip |
| Secondary Cache: | 2048KB(I+D) on chip |
| L3 Cache: | N/A |
| Other Cache: | N/A |
| Memory: | 4x2048MB PC2-3200 Dual Rank |
| Disk Subsystem: | 1x36.4GB 15K Ultra320 SCSI |
| Other Hardware: | |

### Software

| | |
|---|---|
| Operating System: | Windows Server 2003 Enterprise SP1 |
| Compiler: | Intel C++ Compiler for 32-bit applications, (Version 8.1 Build 20050524Z)<br>Microsoft Visual Studio .NET 7.0.9466 (for libraries)<br>MicroQuill Smartheap Library 7.0 |
| File System: | NTFS |
| System State: | Default |

## Notes/Tuning Information

```
+FDO: PASS1=-Qprof_gen  PASS2=-Qprof_use

Base tuning for C programs:        -fast         +FDO  ONESTEP=yes shlw32M.lib
Base tuning for C++ programs: -fast -Qcxx_features +FDO  ONESTEP=yes
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
Peak tuning:
  164.gzip:     -fast               +FDO  ONESTEP=yes
  175.vpr:      -fast               +FDO  ONESTEP=yes
  176.gcc:      basepeak = 1
  181.mcf:      -fast               +FDO  ONESTEP=yes shlw32M.lib
  186.crafty:   -fast -Oa           +FDO  ONESTEP=yes shlw32M.lib
  197.parser:   -fast               +FDO  ONESTEP=yes
  252.eon:      -fast               +FDO
  253.perlbmk:  -fast -Oa           +FDO  ONESTEP=yes shlw32M.lib
  254.gap:      -fast               +FDO  ONESTEP=yes
  255.vortex:   -fast               +FDO  ONESTEP=yes shlw32M.lib
```

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## Notes/Tuning Information (Continued)

```
    256.bzip2:    -fast -Oa -Qunroll1 +FDO  ONESTEP=yes shlw32M.lib
    300.twolf:    -fast               +FDO              shlw32M.lib
  BIOS Configuration Notes
    Hyper-Threading Technology disabled
```