# CINT2000 Result

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## Hewlett-Packard Company

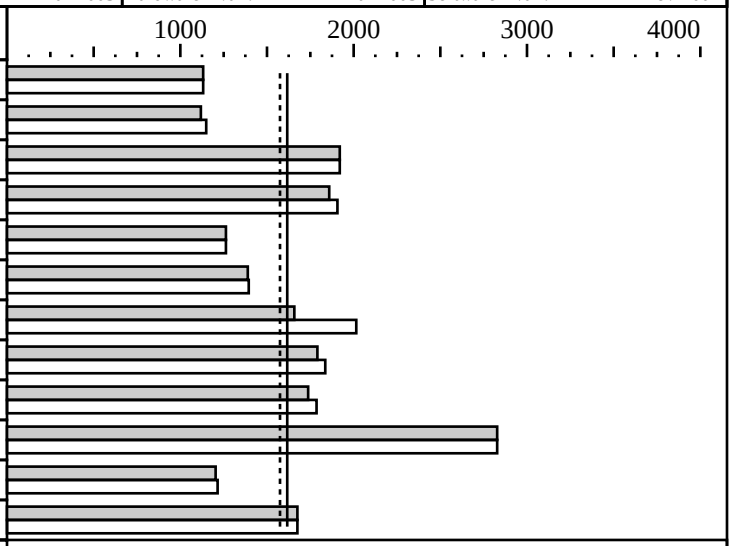
ProLiant ML350 G4p (3.4GHz, Intel Xeon)

SPECint2000 = 1617

SPECint_base2000 = 1575

SPEC license #: 3 | Tested by: Hewlett-Packard Company | Test date: Mar-2005 | Hardware Avail: Mar-2005 | Software Avail: Nov-2004

| Benchmark | Reference Time | Base Runtime | Base Ratio | Runtime | Ratio |
|---|---|---|---|---|---|
| 164.gzip | 1400 | 124 | 1132 | 124 | 1132 |
| 175.vpr | 1400 | 125 | 1118 | 122 | 1149 |
| 176.gcc | 1100 | 57.3 | 1920 | 57.3 | 1920 |
| 181.mcf | 1800 | 96.8 | 1859 | 94.4 | 1906 |
| 186.crafty | 1000 | 79.2 | 1263 | 79.2 | 1263 |
| 197.parser | 1800 | 130 | 1389 | 129 | 1395 |
| 252.eon | 1300 | 78.4 | 1658 | 64.5 | 2015 |
| 253.perlbmk | 1800 | 101 | 1791 | 98.0 | 1836 |
| 254.gap | 1100 | 63.3 | 1737 | 61.6 | 1786 |
| 255.vortex | 1900 | 67.2 | 2828 | 67.2 | 2828 |
| 256.bzip2 | 1500 | 125 | 1204 | 123 | 1215 |
| 300.twolf | 3000 | 179 | 1675 | 179 | 1675 |




### Hardware

| | |
|---|---|
| CPU: | Intel Xeon (3.4GHz, 2MB L2, 800MHz bus) |
| CPU MHz: | 3400 |
| 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: | 6x2048MB PC2-3200 CL3 Dual-Rank DIMMs |
| Disk Subsystem: | 1x18.2GB 15K U320 |
| Other Hardware: | |

### Software

| | |
|---|---|
| Operating System: | Windows Server 2003 Standard (Build 3790) |
| Compiler: | Intel C++ Compiler 8.1 Build 20040802Z<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
+FDO*: PASS1=-Qprof_gen  PASS2=-Qprof_use (-QxP not used in PASS1 to enable cross-compilation)
Base tuning for C programs:   -fast  +FDO  shlw32M.lib
Base tuning for C++ programs: -fast -GX -GR
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:       basepeak=1
  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:        -QxP      -O2 -Qipo     +FDO* ONESTEP=yes
  253.perlbmk:    -fast -Oa               +FDO  ONESTEP=yes shlw32M.lib
  254.gap:        -fast                   +FDO  ONESTEP=yes
  255.vortex:     basepeak=1
```

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## Notes/Tuning Information (Continued)

```
    256.bzip2:      -fast -Oa -Qunroll1    +FDO  ONESTEP=yes
    300.twolf:      basepeak=1
  BIOS Configuration Notes
    Hyper-Threading Technology disabled
```