# CINT2000 Result

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## Hewlett-Packard Company

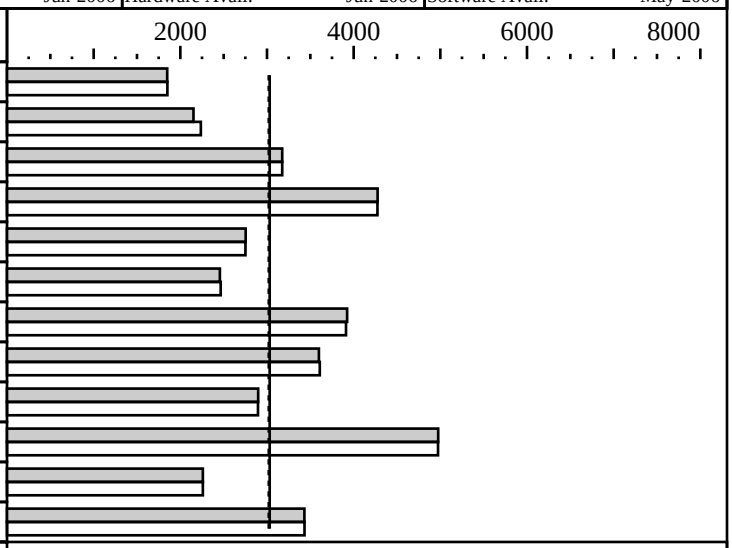
ProLiant DL360 G5 (3.0GHz, Intel Xeon processor 5160)

SPECint2000 = 3031

SPECint_base2000 = 3021

SPEC license #: 3 | Tested by: Hewlett-Packard Company | Test date: Jun-2006 | Hardware Avail: Jun-2006 | Software Avail: May-2006

| Benchmark | Reference Time | Base Runtime | Base Ratio | Runtime | Ratio |
|---|---|---|---|---|---|
| 164.gzip | 1400 | 75.7 | 1849 | 75.7 | 1850 |
| 175.vpr | 1400 | 65.1 | 2152 | 62.6 | 2237 |
| 176.gcc | 1100 | 34.6 | 3176 | 34.6 | 3176 |
| 181.mcf | 1800 | 42.1 | 4276 | 42.1 | 4275 |
| 186.crafty | 1000 | 36.3 | 2754 | 36.3 | 2751 |
| 197.parser | 1800 | 73.3 | 2456 | 73.0 | 2466 |
| 252.eon | 1300 | 33.1 | 3925 | 33.2 | 3912 |
| 253.perlbmk | 1800 | 50.0 | 3599 | 49.9 | 3609 |
| 254.gap | 1100 | 38.0 | 2898 | 38.0 | 2896 |
| 255.vortex | 1900 | 38.2 | 4975 | 38.2 | 4973 |
| 256.bzip2 | 1500 | 66.4 | 2260 | 66.4 | 2260 |
| 300.twolf | 3000 | 87.4 | 3432 | 87.4 | 3433 |




### Hardware

| | |
|---|---|
| CPU: | Intel Xeon processor 5160 (3.0GHz, 4MB L2 shared, 1333MHz bus) |
| CPU MHz: | 3000 |
| FPU: | Integrated |
| CPU(s) enabled: | 2 cores, 1 chip, 2 cores/chip |
| CPU(s) orderable: | 1,2 chips |
| Parallel: | No |
| Primary Cache: | 32KBI + 32KBD (on chip) per core |
| Secondary Cache: | 4096KB(I+D) (on chip) shared |
| L3 Cache: | N/A |
| Other Cache: | N/A |
| Memory: | 8x1024MB PC2-5300F |
| Disk Subsystem: | 1x36GB 10K SAS |
| Other Hardware: | |

### Software

| | |
|---|---|
| Operating System: | Windows Server 2003 Enterprise SP1 |
| Compiler: | Intel C++ Compiler for 32-bit applications, (Version 9.1 Build 20060323Z)<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
  256.bzip2:    basepeak=1
```

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## Notes/Tuning Information (Continued)

```
  300.twolf:    -fast                +FDO                shlw32M.lib
BIOS Configuration Notes
  Power Regulator set to Static High Performance Mode
```