# CINT2000 Result

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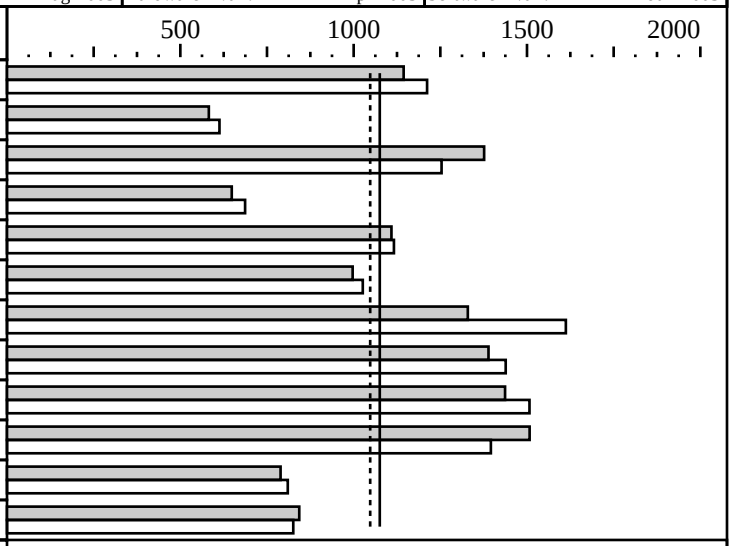
## Hewlett-Packard Company
## ProLiant BL20p G2 (3.06GHz, Intel Xeon)

SPECint2000 = 1075

SPECint_base2000 = 1048

SPEC license #: 3 Tested by: Hewlett-Packard Company, Houston TX Test date: Aug-2003 Hardware Avail: Apr-2003 Software Avail: Jun-2003

| Benchmark | Reference Time | Base Runtime | Base Ratio | Runtime | Ratio |
|---|---|---|---|---|---|
| 164.gzip | 1400 | 122 | 1144 | 116 | 1212 |
| 175.vpr | 1400 | 240 | 582 | 228 | 613 |
| 176.gcc | 1100 | 79.9 | 1376 | 87.8 | 1254 |
| 181.mcf | 1800 | 278 | 648 | 262 | 687 |
| 186.crafty | 1000 | 90.2 | 1109 | 89.6 | 1116 |
| 197.parser | 1800 | 181 | 997 | 175 | 1026 |
| 252.eon | 1300 | 97.8 | 1329 | 80.6 | 1612 |
| 253.perlbmk | 1800 | 130 | 1389 | 125 | 1439 |
| 254.gap | 1100 | 76.6 | 1437 | 73.0 | 1507 |
| 255.vortex | 1900 | 126 | 1508 | 136 | 1396 |
| 256.bzip2 | 1500 | 190 | 789 | 185 | 810 |
| 300.twolf | 3000 | 356 | 843 | 363 | 826 |




### Hardware

| | |
|---|---|
| CPU: | Intel Xeon (3.06GHz, 533MHz bus) |
| CPU MHz: | 3066 |
| FPU: | Integrated |
| CPU(s) enabled: | 1 core, 1 chip, 1 core/chip (Hyper-Threading disabled) |
| CPU(s) orderable: | 1,2 |
| Parallel: | No |
| Primary Cache: | 12K micro-ops I + 8KBD on chip |
| Secondary Cache: | 512KB(I+D) on chip |
| L3 Cache: | None |
| Other Cache: | N/A |
| Memory: | 2x1024MB PC2100 |
| Disk Subsystem: | 2x18.2GB 15K Ultra3 SCSI |
| Other Hardware: | |

### Software

| | |
|---|---|
| Operating System: | Windows 2000 Server (Build 2195 SP3) |
| Compiler: | Intel C++ Compiler 7.1 Build 20030801Z<br>Microsoft Visual Studio Enterprise Edition 6.0 (for libraries)<br>MicroQuill Smartheap Library 7.0 |
| File System: | NTFS |
| System State: | Hyperthreading disabled in BIOS |

## Notes/Tuning Information

```
+FDO: PASS1=-Qprof_gen  PASS2=-Qprof_use
Base tuning for C programs:   -QxW -Qipo +FDO shlw32m.lib ONESTEP=yes
Base tuning for C++ programs: -Qipo -GX -GR +FDO ONESTEP=yes
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
Peak tuning:
164.gzip:  -QxW -Qipo -O3 +FDO ONESTEP=yes
175.vpr:  -QxW -Qipo -O3 +FDO ONESTEP=yes
176.gcc:  -QxW -Qipo -O3 -Oi- +FDO shlw32M.lib ONESTEP=yes
181.mcf:  -Oa -Qipo +FDO shlw32M.lib ONESTEP=yes
186.crafty:  -QxW -Qipo -O3 +FDO ONESTEP=yes
197.parser:  -QxW -Qipo -Oa -O3 +FDO ONESTEP=yes
252.eon: -QxW -Qipo -O3 +FDO ONESTEP=yes
253.perlbmk: -Qipo -O3 -Oa +FDO shlw32M.lib ONESTEP=yes
254.gap: -QxW -Qipo -O3 +FDO ONESTEP=yes
255.vortex: -QxW -Qipo -O3 +FDO ONESTEP=yes
256.bzip2: -Qunroll1 -Qipo -Oa +FDO ONESTEP=yes
```

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## Notes/Tuning Information (Continued)

```
300.twolf: -Qxi -Qipo +FDO shlw32M.lib ONESTEP=yes
```