# CINT2000 Result

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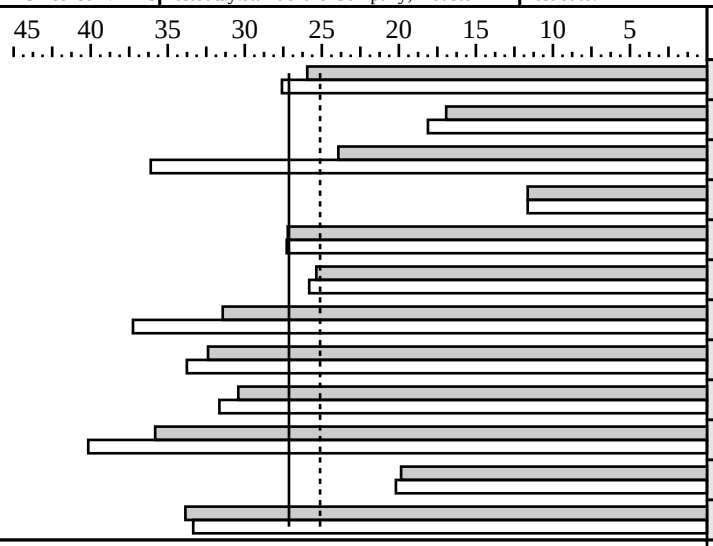
## Hewlett-Packard Company
## ProLiant DL360 G3(3.06GHz, Intel Xeon)

SPECint_rate2000 = 27.1

SPECint_rate_base2000 = 25.1

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




| Benchmark | Base Copies | Base Runtime | Base Ratio | Copies | Runtime | Ratio |
|---|---|---|---|---|---|---|
| 164.gzip | 2 | 125 | 25.9 | 2 | 118 | 27.6 |
| 175.vpr | 2 | 192 | 16.9 | 2 | 179 | 18.1 |
| 176.gcc | 2 | 107 | 23.9 | 2 | 70.7 | 36.1 |
| 181.mcf | 2 | 359 | 11.6 | 2 | 359 | 11.6 |
| 186.crafty | 2 | 85.3 | 27.2 | 2 | 85.0 | 27.3 |
| 197.parser | 2 | 165 | 25.4 | 2 | 162 | 25.8 |
| 252.eon | 2 | 96.0 | 31.4 | 2 | 81.0 | 37.3 |
| 253.perlbmk | 2 | 129 | 32.4 | 2 | 124 | 33.8 |
| 254.gap | 2 | 83.9 | 30.4 | 2 | 80.6 | 31.6 |
| 255.vortex | 2 | 123 | 35.8 | 2 | 110 | 40.2 |
| 256.bzip2 | 2 | 175 | 19.9 | 2 | 172 | 20.2 |
| 300.twolf | 2 | 206 | 33.9 | 2 | 209 | 33.3 |

### Hardware

| | |
|---|---|
| CPU: | Intel Xeon (3.06GHz, 533MHz bus) |
| CPU MHz: | 3066 |
| FPU: | Integrated |
| CPU(s) enabled: | 2 cores, 2 chips, 1 core/chip |
| CPU(s) orderable: | 1,2 |
| Parallel: | No |
| Primary Cache: | 12KBI + 8KBD on chip |
| Secondary Cache: | 512KB(I+D) on chip |
| L3 Cache: | 1024KB(I+D) on chip |
| Other Cache: | N/A |
| Memory: | 4x512MB PC2100 |
| Disk Subsystem: | 2x36.4GB U320 15K |
| Other Hardware: | |

### Software

| | |
|---|---|
| Operating System: | Windows 2000 Server (Build 2195 SP3) |
| Compiler: | Intel C++ Compiler 7.0 Build 20021028Z<br>Microsoft Visual Studio .NET (for libraries)<br>MicroQuill Smartheap Library 6.03 |
| File System: | NTFS |
| System State: | Default |

## Notes/Tuning Information

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

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## Notes/Tuning Information (Continued)

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