



CINT2000 Result

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

SPECint2000 = 1070
SPECint_base2000 = 1028

SPEC license #: 3 Test date: Jun-2003 Hardware Avail: Mar-2003 Software Avail: Mar-2003

| Benchmark | Reference Time | Base Runtime | Base Ratio | Runtime | Ratio | |
|-------------|----------------|--------------|------------|---------|-------|--|
| 164.gzip | 1400 | 125 | 1124 | 117 | 1197 | |
| 175.vpr | 1400 | 242 | 579 | 227 | 615 | |
| 176.gcc | 1100 | 88.8 | 1239 | 88.3 | 1246 | |
| 181.mcf | 1800 | 276 | 651 | 264 | 683 | |
| 186.crafty | 1000 | 89.8 | 1114 | 89.3 | 1120 | |
| 197.parser | 1800 | 181 | 995 | 176 | 1024 | |
| 252.eon | 1300 | 96.3 | 1350 | 81.3 | 1598 | |
| 253.perlbmk | 1800 | 131 | 1374 | 126 | 1431 | |
| 254.gap | 1100 | 81.8 | 1345 | 77.8 | 1414 | |
| 255.vortex | 1900 | 130 | 1457 | 128 | 1479 | |
| 256.bzip2 | 1500 | 191 | 786 | 186 | 809 | |
| 300.twolf | 3000 | 358 | 838 | 369 | 812 | |

Hardware

CPU: Intel Xeon (3.06GHz, 533MHz bus)
 CPU MHz: 3066
 FPU: Integrated
 CPU(s) enabled: 1 core, 1 chip, 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: N/A
 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
 Microsoft Visual Studio .NET (for libraries)
 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.crafty: -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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| | |
|--------------------|------|
| SPECint2000 = | 1070 |
| SPECint_base2000 = | 1028 |

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

Notes/Tuning Information (Continued)

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