



# CINT2000 Result

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

SPECint\_rate2000 = 22.1  
SPECint\_rate\_base2000 = 21.1

SPEC license #: 3 | Test date: Jun-2003 | Hardware Avail: Mar-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	291	11.2	2	269	12.1
176.gcc	2	120	21.3	2	110	23.1
181.mcf	2	440	9.49	2	423	9.88
186.crafty	2	90.5	25.6	2	89.9	25.8
197.parser	2	193	21.6	2	190	22.0
252.eon	2	96.0	31.4	2	81.1	37.2
253.perlbnk	2	133	31.4	2	127	32.8
254.gap	2	89.0	28.7	2	86.7	29.4
255.vortex	2	137	32.1	2	135	32.6
256.bzip2	2	222	15.7	2	220	15.8
300.twolf	2	405	17.2	2	413	16.8

### 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: 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.perlbnk: -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.perlbnk: -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