



# CINT2000 Result

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Hewlett-Packard Company  
ProLiant DL380 G3(3.06GHz, Intel Xeon)

SPECint\_rate2000 = 22.4  
SPECint\_rate\_base2000 = 21.2

SPEC license #: 3 Test by: Hewlett-Packard Company, Houston TX 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	126	25.8	2	118	27.5
175.vpr	2	280	11.6	2	266	12.2
176.gcc	2	117	21.9	2	109	23.4
181.mcf	2	414	10.1	2	413	10.1
186.crafty	2	90.6	25.6	2	90.0	25.8
197.parser	2	193	21.7	2	190	22.0
252.eon	2	109	27.8	2	81.3	37.1
253.perlbnk	2	133	31.4	2	127	32.8
254.gap	2	88.9	28.7	2	85.5	29.8
255.vortex	2	136	32.4	2	123	35.8
256.bzip2	2	219	15.9	2	216	16.1
300.twolf	2	403	17.3	2	409	17.0

### 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: -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