



# CINT2000 Result

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Hewlett-Packard Company  
ProLiant ML570 G3 (3.333GHz, Intel Xeon)

SPECint\_rate2000 = 36.8  
SPECint\_rate\_base2000 = 36.8

SPEC license #: 3 Tested by: Hewlett-Packard Company Test date: Jan-2005 Hardware Avail: Feb-2005 Software Avail: Feb-2005

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	4	192	33.8	4	192	33.8
175.vpr	4	270	24.0	4	263	24.7
176.gcc	4	121	42.0	4	121	42.0
181.mcf	4	265	31.5	4	265	31.5
186.crafty	4	152	30.6	4	151	30.7
197.parser	4	226	36.9	4	227	36.8
252.eon	4	131	46.2	4	132	45.7
253.perlbnk	4	213	39.2	4	213	39.2
254.gap	4	141	36.3	4	141	36.3
255.vortex	4	144	61.2	4	144	61.2
256.bzip2	4	212	32.9	4	211	32.9
300.twolf	4	368	37.8	4	368	37.8

### Hardware

CPU: Intel Xeon MP (3.333GHz, 1MB L2, 8MB L3, 667MHz bus)  
CPU MHz: 3333  
FPU: Integrated  
CPU(s) enabled: 2 cores, 2 chips, 1 core/chip (Hyper-Threading Technology enabled)  
CPU(s) orderable: 1,2,4  
Parallel: No  
Primary Cache: 12K micro-ops I + 16KBD on chip  
Secondary Cache: 1024KB(I+D) on chip  
L3 Cache: 8192KB  
Other Cache: N/A  
Memory: 16x2048MB DDR2-400  
Disk Subsystem: 1x18.2GB 15K Ultra320 SCSI  
Other Hardware:

### Software

Operating System: Windows Server 2003 Standard (Build 3790)  
Compiler: Intel C++ Compiler 8.1 Build 20040802Z  
Microsoft Visual Studio .NET 7.0.9466 (for libraries)  
MicroQuill Smartheap Library 7.0  
File System: NTFS  
System State: Default

## Notes/Tuning Information

```
+FDO: PASS1=-Qprof_gen PASS2=-Qprof_use
Base tuning for C programs: -fast +FDO shlw32M.lib
Base tuning for C++ programs: -fast -Qcxx_features +FDO
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: -fast -Qansi_alias -Oa +FDO
175.vpr: -fast -Qansi_alias +FDO
176.gcc: basepeak=yes
181.mcf: basepeak=yes
186.crafty: -fast -Qansi_alias -Oa +FDO
197.parser: -fast -Qansi_alias +FDO
252.eon: -fast +FDO
253.perlbnk: -fast -Qansi_alias +FDO shlw32M.lib
254.gap: basepeak=yes
255.vortex: basepeak=yes
256.bzip2: -fast -Oa -Qunroll1 +FDO
```



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## Notes/Tuning Information (Continued)

300.twolf: -fast -O3 +FDO shlw32M.lib