



# CINT2000 Result

Copyright ©1999-2004, Standard Performance Evaluation Corporation

**Hewlett-Packard Company**  
ProLiant ML370 G3 (3.2GHz/2MB L3 cache, Intel Xeon)

SPECint\_rate2000 = 33.8  
SPECint\_rate\_base2000 = 32.6

SPEC license #: 3 Tested by: Hewlett-Packard Company Test date: Jun-2004 Hardware Avail: Feb-2004 Software Avail: Jun-2004

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	2	108	30.0	2	108	30.1
175.vpr	2	134	24.2	2	134	24.2
176.gcc	2	67.5	37.8	2	62.1	41.1
181.mcf	2	168	24.9	2	168	24.8
186.crafty	2	79.4	29.2	2	78.2	29.7
197.parser	2	135	31.0	2	135	31.0
252.eon	2	82.2	36.7	2	68.5	44.1
253.perlbnk	2	128	32.7	2	117	35.8
254.gap	2	75.7	33.7	2	75.7	33.7
255.vortex	2	81.3	54.2	2	81.7	54.0
256.bzip2	2	128	27.3	2	125	27.9
300.twolf	2	179	39.0	2	174	40.0

### Hardware

CPU: Intel Xeon (3.2GHz, 533MHz bus)  
CPU MHz: 3200  
FPU: Integrated  
CPU(s) enabled: 2 cores, 2 chips, 1 core/chip (HT Technology disabled)  
CPU(s) orderable: 1,2  
Parallel: No  
Primary Cache: 12K micro-ops I + 8KBD on chip  
Secondary Cache: 512KB(I+D) on chip  
L3 Cache: 2048KB(I+D) on chip  
Other Cache: N/A  
Memory: 4x512MB PC2100  
Disk Subsystem: 1x36.4GB 15K Ultra320 SCSI  
Other Hardware:

### Software

Operating System: Windows Server 2003 Standard (Build 3790)  
Compiler: Intel C++ Compiler 8.0 Build 20031211Z  
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: -QxN -Qipo -O3 +FDO ONESTEP=yes
Base tuning for C++ programs: -Qipo -GX -GR +FDO ONESTEP=yes
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: -QxN -Qipo -Oa -O3 +FDO ONESTEP=yes
 175.vpr: -QxN -Qipo -O3 +FDO ONESTEP=yes
 176.gcc: -QxN -Qipo -Oi- -O3 +FDO ONESTEP=yes
 181.mcf: -QxN -Qipo -O3 +FDO shlw32M.lib ONESTEP=yes
 186.crafty: -QxN -Qipo -Oa -O3 +FDO shlw32M.lib ONESTEP=yes
 197.parser: -QxN -Qipo -O3 +FDO ONESTEP=yes
 252.eon: -QxN -Qipo -O3 +FDO ONESTEP=yes
 253.perlbnk: -Qipo -Oa -O3 +FDO shlw32M.lib ONESTEP=yes
 254.gap: -QxN -Qipo -O3 +FDO ONESTEP=yes
 255.vortex: -QxN -Qipo -O3 +FDO shlw32M.lib ONESTEP=yes
 256.bzip2: -Qunroll1 -Oa -Qipo +FDO ONESTEP=yes
```



# CINT2000 Result

Copyright ©1999-2004, Standard Performance Evaluation Corporation

Hewlett-Packard Company  
ProLiant ML370 G3 (3.2GHz/2MB L3 cache, Intel Xeon)

SPECint\_rate2000 = 33.8  
SPECint\_rate\_base2000 = 32.6

SPEC license #: 3 | Tested by: Hewlett-Packard Company | Test date: Jun-2004 | Hardware Avail: Feb-2004 | Software Avail: Jun-2004

## Notes/Tuning Information (Continued)

300.twolf: -QxN -Qipo -O3 +FDO shlw32M.lib ONESTEP=yes  
BIOS Configuration Notes  
HT Technology disabled