



# CINT2000 Result

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**Hewlett-Packard Company**  
ProLiant ML150 G3 (3.00 GHz, Intel Xeon processor 5050)

SPECint\_rate2000 = 33.6  
SPECint\_rate\_base2000 = 33.4

SPEC license #: 3 Tested by: Hewlett-Packard Company Test date: Aug-2006 Hardware Avail: May-2006 Software Avail: May-2006

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	4	218	29.8	4	218	29.8
175.vpr	4	314	20.7	4	300	21.7
176.gcc	4	112	45.7	4	112	45.7
181.mcf	4	469	17.8	4	469	17.8
186.crafty	4	184	25.2	4	180	25.8
197.parser	4	251	33.3	4	249	33.5
252.eon	4	118	50.9	4	119	50.7
253.perlbnk	4	220	38.0	4	218	38.3
254.gap	4	140	36.6	4	140	36.4
255.vortex	4	160	55.0	4	160	55.0
256.bzip2	4	256	27.2	4	256	27.2
300.twolf	4	326	42.7	4	326	42.7

### Hardware

CPU: Intel Xeon processor 5050 (3.00 GHz, 2x2 MB L2, 667 MHz bus)  
CPU MHz: 3000  
FPU: Integrated  
CPU(s) enabled: 4 cores, 1 chip, 2 cores/chip (Hyper-Threading Technology enabled)  
CPU(s) orderable: 1,2  
Parallel: No  
Primary Cache: 12 K micro-ops I + 16 KB D on chip per core  
Secondary Cache: 2 MB I+D on chip per core  
L3 Cache: N/A  
Other Cache: N/A  
Memory: 8 GB (4x2048 MB PC2-5300F)  
Disk Subsystem: 1x36 GB 15 K SAS  
Other Hardware:

### Software

Operating System: Windows Server 2003 Enterprise SP1  
Compiler: Intel C++ Compiler for 32-bit applications, (Version 9.1 Build 20060323Z)  
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 ONESTEP=yes shlw32M.lib

Base tuning for C++ programs: -fast -Qcxx\_features +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: -fast +FDO ONESTEP=yes

175.vpr: -fast +FDO ONESTEP=yes

176.gcc: basepeak=1

181.mcf: -fast +FDO ONESTEP=yes shlw32M.lib

186.crafty: -fast -Oa +FDO ONESTEP=yes shlw32M.lib

197.parser: -fast +FDO ONESTEP=yes

252.eon: -fast +FDO

253.perlbnk: -fast -Oa +FDO ONESTEP=yes shlw32M.lib

254.gap: -fast +FDO ONESTEP=yes

255.vortex: -fast +FDO ONESTEP=yes shlw32M.lib



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## Notes/Tuning Information (Continued)

256.bzip2: basepeak=1  
300.twolf: -fast +FDO shlw32M.lib  
BIOS Configuration Notes  
Hyper-Threading Technology enabled