



# CINT2000 Result

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**Hewlett-Packard Company**  
ProLiant DL380 G5 (3.0GHz, Intel Xeon processor 5160)

SPECint2000 = **3026**  
SPECint\_base2000 = **3015**

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	
164.gzip	1400	75.7	1849	75.6	1851	
175.vpr	1400	65.0	2155	62.6	2236	
176.gcc	1100	35.3	3119	35.3	3119	
181.mcf	1800	42.5	4240	42.4	4246	
186.crafty	1000	36.3	2756	36.3	2753	
197.parser	1800	73.4	2451	73.1	2463	
252.eon	1300	33.1	3925	33.2	3913	
253.perlbmk	1800	50.3	3577	50.0	3598	
254.gap	1100	37.9	2904	37.8	2907	
255.vortex	1900	38.1	4984	38.2	4980	
256.bzip2	1500	66.3	2264	66.3	2264	
300.twolf	3000	87.1	3443	87.1	3443	

### Hardware

CPU: Intel Xeon processor 5160 (3.0GHz, 4MB L2 shared, 1333MHz bus)  
CPU MHz: 3000  
FPU: Integrated  
CPU(s) enabled: 2 cores, 1 chip, 2 cores/chip  
CPU(s) orderable: 1,2 chips  
Parallel: No  
Primary Cache: 32KB (I) + 32KB (D) (on chip) per core  
Secondary Cache: 4096KB(I+D) (on chip) shared  
L3 Cache: N/A  
Other Cache: N/A  
Memory: 4x2048MB PC2-5300F  
Disk Subsystem: 1x36GB 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

Portability flags:

176.gcc: -Dalloca=\_alloca /F10000000

186.crafty: -DNT\_i386

253.perlbmk: -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.perlbmk: -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