



# CINT2000 Result

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**Hewlett-Packard Company**  
ProLiant DL380 G5 (3.73GHz, Intel Xeon Processor 5080)

SPECint2000 = 1771  
SPECint\_base2000 = 1764

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	1000	2000	3000	4000
164.gzip	1400	111	1266	111	1264				
175.vpr	1400	122	1151	118	1183				
176.gcc	1100	51.1	2152	51.1	2152				
181.mcf	1800	93.2	1932	93.2	1932				
186.crafty	1000	72.6	1378	72.6	1378				
197.parser	1800	119	1511	119	1517				
252.eon	1300	55.3	2353	55.3	2353				
253.perlbmk	1800	82.5	2181	82.4	2185				
254.gap	1100	56.8	1936	55.9	1969				
255.vortex	1900	63.3	3001	63.3	3001				
256.bzip2	1500	117	1284	117	1283				
300.twolf	3000	160	1879	160	1879				

### Hardware

CPU: Intel Xeon Processor 5080(3.73GHz, 2x2MB L2, 1066MHz bus)  
CPU MHz: 3730  
FPU: Integrated  
CPU(s) enabled: 1 core, 1 chip, 2 cores/chip (Hyper-Threading Technology disabled)  
CPU(s) orderable: 1,2  
Parallel: No  
Primary Cache: 12K micro-ops I + 16KBD (on chip) per core  
Secondary Cache: 2048KB(I+D) (on chip) per core  
L3 Cache: N/A  
Other Cache: N/A  
Memory: 8x2GB PC2-5300F  
Disk Subsystem: 1x72GB SAS  
Other Hardware:

### Software

Operating System: Windows Server 2003 Enterprise SP1  
Compiler: Intel C++ Compiler for 32-bit applications, (Version 9.0 Build 20060120Z)  
Intel Fortran Compiler for 32-bit applications, (Version 9.0 Build 20060120Z)  
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.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: basepeak = 1

186.crafty: basepeak = 1

197.parser: -fast +FDO ONESTEP=yes

252.eon: basepeak = 1

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

254.gap: -fast +FDO ONESTEP=yes

255.vortex: basepeak = 1



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## Notes/Tuning Information (Continued)

256.bzip2: -fast -Oa -Qunroll11 +FDO ONESTEP=yes shlw32M.lib  
BIOS Configuration Notes  
Hyper-Threading Technology disabled  
Other Configuration Notes  
/NUMPROC=1 flag was added to boot.ini to invoke uniprocessor environment.