



# CINT2000 Result

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## Hewlett-Packard Company

ProLiant DL360 G5 (2.66 GHz, Intel Xeon processor X5355)

SPECint2000 = 2732

SPECint\_base2000 = 2727

SPEC license #: 3 Tested by: Hewlett-Packard Company Test date: Jan-2007 Hardware Avail: Jan-2007 Software Avail: Nov-2006

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	
164.gzip	1400	84.8	1652	84.9	1649	
175.vpr	1400	70.3	1990	69.0	2029	
176.gcc	1100	39.7	2773	39.7	2773	
181.mcf	1800	42.8	4206	42.6	4226	
186.crafty	1000	41.1	2433	41.1	2431	
197.parser	1800	82.1	2193	81.8	2200	
252.eon	1300	37.5	3467	37.6	3457	
253.perlbmk	1800	56.0	3212	55.9	3218	
254.gap	1100	42.4	2593	42.4	2593	
255.vortex	1900	42.0	4524	42.0	4524	
256.bzip2	1500	74.0	2028	74.0	2028	
300.twolf	3000	96.1	3121	96.1	3122	

### Hardware

CPU: Intel Xeon processor X5355 (2.66 GHz, 2x4 MB L2 shared, 1333 MHz bus)  
CPU MHz: 2666  
FPU: Integrated  
CPU(s) enabled: 4 cores, 1 chip, 4 cores/chip  
CPU(s) orderable: 1,2 chips  
Parallel: No  
Primary Cache: 32 KB I + 32 KB D on chip per core  
Secondary Cache: 8 MB I+D on chip per chip (4 MB shared per 2 cores)  
L3 Cache: N/A  
Other Cache: N/A  
Memory: 16 GB (8x2 GB PC2-5300F CL5)  
Disk Subsystem: 2x36 GB 10 K SAS  
Other Hardware:

### Software

Operating System: Windows Server 2003 Enterprise x64 Edition SP1  
Compiler: Intel C++ Compiler for 32-bit applications, (Version 9.1 Build 20061103Z) Microsoft Visual Studio .NET 2003 (7.1.3088, for libraries) MicroQuill Smartheap Library 8.0  
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: -fast +FDO

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
BIOS Configuration Notes
Power Regulator set to Static High Performance Mode
Adjacent Sector Prefetch disabled
Other Configuration Notes
The start /b /wait /affinity command is used to bind CPU(s) to processes.
```