



# CINT2000 Result

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## Hewlett-Packard Company

ProLiant DL380 G5 (2.66 GHz, Intel Xeon processor X5355)

SPECint\_rate2000 = 105

SPECint\_rate\_base2000 = 104

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

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	4	88.1	73.8	4	88.2	73.7
175.vpr	4	85.2	76.2	4	83.9	77.5
176.gcc	4	52.9	96.5	4	52.9	96.5
181.mcf	4	100	83.4	4	98.4	84.9
186.crafty	4	41.2	113	4	41.3	112
197.parser	4	93.7	89.1	4	93.2	89.6
252.eon	4	37.8	160	4	37.6	161
253.perlbnk	4	58.8	142	4	58.6	143
254.gap	4	61.0	83.6	4	60.1	84.9
255.vortex	4	50.1	176	4	50.2	175
256.bzip2	4	89.8	77.5	4	89.8	77.5
300.twolf	4	96.9	144	4	96.9	144

### 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: 4x36 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 (v7.1.3088, 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.perlbnk: -DSPEC\_CPU2000\_NTOS -DPERL DLL /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.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
  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.
```