



CINT2000 Result

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Hewlett-Packard Company
ProLiant ML350 G5 (2.66 GHz, Intel Xeon processor X5355)

SPECint2000 = **2729**
SPECint_base2000 = **2721**

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	85.0	1647	85.1	1644	
175.vpr	1400	70.3	1991	69.0	2030	
176.gcc	1100	40.6	2711	40.6	2711	
181.mcf	1800	42.6	4224	42.4	4245	
186.crafty	1000	41.1	2434	41.1	2431	
197.parser	1800	82.0	2196	81.7	2202	
252.eon	1300	37.5	3464	37.6	3461	
253.perlbmk	1800	56.0	3216	55.2	3261	
254.gap	1100	43.0	2561	43.0	2560	
255.vortex	1900	41.9	4536	41.9	4536	
256.bzip2	1500	74.0	2027	74.0	2027	
300.twolf	3000	96.0	3123	96.0	3123	

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: 8 GB (4x2 GB PC2-5300F CL5)
Disk Subsystem: 4x36 GB 10 K SAS
Other Hardware:

Software

Operating System: Windows Server 2003 Enterprise X64 Edition (x86_64) 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.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)

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256.bzip2:    basepeak=1
300.twolf:    -fast                +FDO                shlw32M.lib
BIOS Configuration Notes
  Power Regulator set to Static High
  Adjacent Sector Prefetch disabled
Other Configuration Notes
  The start /b /wait /affinity command is used to bind CPU(s) to processes.
```