



CINT2000 Result

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Hewlett-Packard Company
ProLiant DL360 G4 (3.4GHz, Intel Xeon)

SPECint2000 = 1402
SPECint_base2000 = 1367

SPEC license #: 3 Tested by: Hewlett-Packard Company Test date: Jul-2004 Hardware Avail: Aug-2004 Software Avail: Aug-2004

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	
164.gzip	1400	128	1098	126	1107	
175.vpr	1400	166	842	160	873	
176.gcc	1100	64.9	1696	64.9	1696	
181.mcf	1800	179	1004	179	1005	
186.crafty	1000	80.1	1249	80.1	1249	
197.parser	1800	147	1225	147	1226	
252.eon	1300	77.9	1669	65.2	1994	
253.perlbmk	1800	106	1699	103	1747	
254.gap	1100	65.1	1690	64.1	1717	
255.vortex	1900	80.5	2359	80.5	2362	
256.bzip2	1500	156	962	152	989	
300.twolf	3000	184	1627	183	1638	

Hardware

CPU: Intel Xeon (3.4GHz, 1MB L2, 800MHz bus)
CPU MHz: 3400
FPU: Integrated
CPU(s) enabled: 1 core, 1 chip, 1 core/chip (HT Technology disabled)
CPU(s) orderable: 1,2
Parallel: No
Primary Cache: 16K micro-ops I + 16KBD on chip
Secondary Cache: 1024KB(I+D) on chip
L3 Cache: N/A
Other Cache: N/A
Memory: 2x1024MB PC2700 DDR-333
Disk Subsystem: 1x250GB SATA
Other Hardware:

Software

Operating System: Windows Server 2003 Standard (Build 3790)
Compiler: Intel C++ Compiler 8.0 Build 20031211Z
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
+FDO*: FDO (-QxP not used in PASS1 to enable cross-compilation)

Base tuning for C programs: -QxP -fast +FDO* shlw32M.lib

Base tuning for C++ programs: -QxP -fast -GX -GR

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: -QxP -fast -Oa +FDO ONESTEP=yes

175.vpr: -QxP -fast +FDO ONESTEP=yes

176.gcc: basepeak = 1

181.mcf: -QxP -fast +FDO ONESTEP=yes shlw32M.lib

186.crafty: -QxP -fast -Oa +FDO ONESTEP=yes shlw32M.lib

197.parser: -QxP -fast +FDO ONESTEP=yes

252.eon: -QxP -O2 -Qipo +FDO* ONESTEP=yes

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

254.gap: -QxP -fast +FDO ONESTEP=yes

Standard Performance Evaluation Corporation

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http://www.spec.org



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Notes/Tuning Information (Continued)

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255.vortex: -QxP -fast +FDO ONESTEP=yes shlw32M.lib
256.bzip2: -fast -Oa -Qunroll1 +FDO ONESTEP=yes
300.twolf: -QxP -fast -O3 +FDO* shlw32M.lib
BIOS Configuration Notes
HT Technology disabled
```