



CINT2000 Result

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

SPECint_rate2000 = 30.4
SPECint_rate_base2000 = 29.8

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

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	2	129	25.2	2	128	25.5
175.vpr	2	180	18.0	2	174	18.7
176.gcc	2	68.5	37.3	2	68.5	37.3
181.mcf	2	252	16.6	2	253	16.5
186.crafty	2	80.3	28.9	2	80.2	28.9
197.parser	2	152	27.5	2	152	27.5
252.eon	2	77.9	38.7	2	65.2	46.3
253.perlbnk	2	107	38.9	2	105	39.9
254.gap	2	74.7	34.2	2	73.7	34.6
255.vortex	2	83.9	52.5	2	83.8	52.6
256.bzip2	2	167	20.8	2	167	20.8
300.twolf	2	180	38.7	2	182	38.2

Hardware

CPU: Intel Xeon (3.4GHz, 1MB L2, 800MHz bus)
CPU MHz: 3400
FPU: Integrated
CPU(s) enabled: 2 cores, 2 chips, 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.perlbnk: -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.perlbnk: -fast -Oa +FDO ONESTEP=yes shlw32M.lib

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

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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
```