



CINT2000 Result

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

SPECint_rate2000 = 16.3
SPECint_rate_base2000 = 15.9

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	1	128	12.7	1	126	12.8
175.vpr	1	166	9.76	1	160	10.1
176.gcc	1	64.9	19.7	1	64.9	19.7
181.mcf	1	179	11.6	1	179	11.7
186.crafty	1	80.1	14.5	1	80.1	14.5
197.parser	1	147	14.2	1	147	14.2
252.eon	1	77.9	19.4	1	65.2	23.1
253.perlbnk	1	106	19.7	1	103	20.3
254.gap	1	65.1	19.6	1	64.1	19.9
255.vortex	1	80.5	27.4	1	80.5	27.4
256.bzip2	1	156	11.2	1	152	11.5
300.twolf	1	184	18.9	1	183	19.0

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.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
 255.vortex: -QxP -fast +FDO ONESTEP=yes shlw32M.lib
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Notes/Tuning Information (Continued)

256.bzip2: -fast -Oa -Qunroll11 +FDO ONESTEP=yes
300.twolf: -QxP -fast -O3 +FDO* shlw32M.lib
BIOS Configuration Notes
HT Technology disabled