CINT2000 Result

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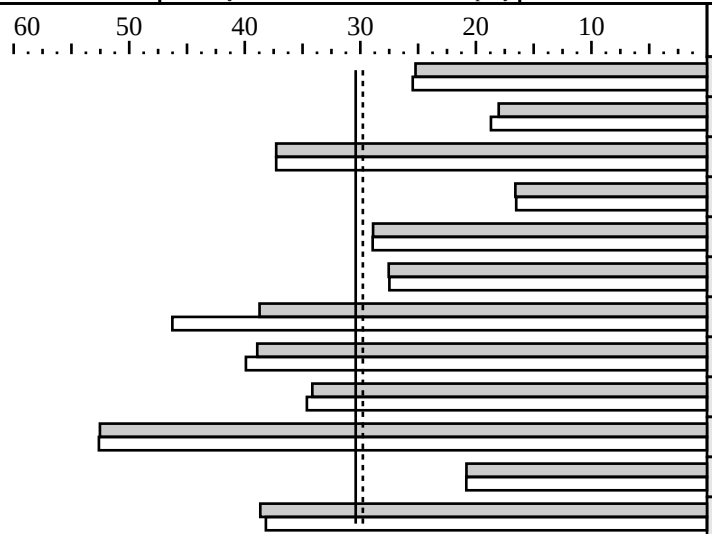
Hewlett-Packard Company
ProLiant DL360 G4 (3.4GHz, Intel Xeon)

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.perlbmk	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.crafy: -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
```

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Notes/Tuning Information (Continued)

```
  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
```