CINT2000 Result

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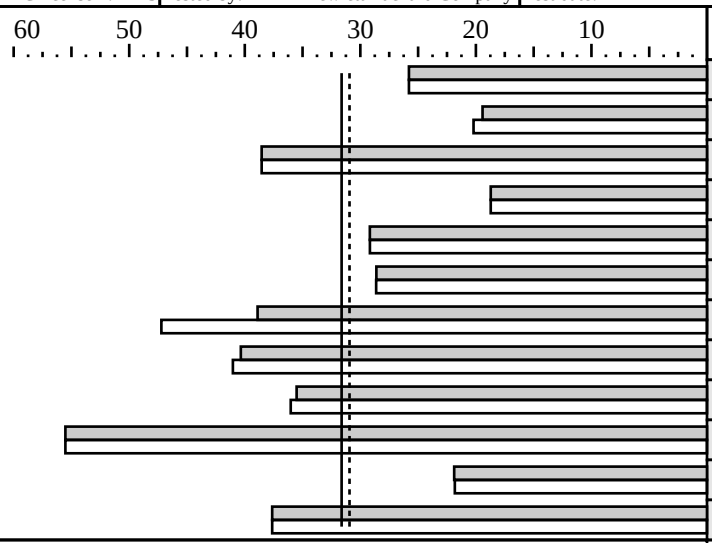
Hewlett-Packard Company
ProLiant ML350 G4 (3.4GHz, Intel Xeon)

SPECint_rate2000 = 31.6

SPECint_rate_base2000 = 30.9

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



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	2	126	25.8	2	126	25.8
175.vpr	2	167	19.4	2	161	20.2
176.gcc	2	66.2	38.5	2	66.2	38.5
181.mcf	2	223	18.7	2	223	18.7
186.crafty	2	79.5	29.2	2	79.5	29.2
197.parser	2	146	28.6	2	146	28.6
252.eon	2	77.5	38.9	2	63.9	47.2
253.perlbmk	2	104	40.3	2	102	41.0
254.gap	2	71.9	35.5	2	70.8	36.0
255.vortex	2	79.4	55.5	2	79.4	55.5
256.bzip2	2	159	21.9	2	159	21.8
300.twolf	2	185	37.6	2	185	37.6

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:	12K micro-ops I + 16KBD on chip
Secondary Cache:	1024KB(I+D) on chip
L3 Cache:	N/A
Other Cache:	N/A
Memory:	4x2048MB PC2700 CL2.5
Disk Subsystem:	1x72.8GB 10K U320
Other Hardware:	

Software

Operating System:	Windows Server 2003 Standard (Build 3790)
Compiler:	Intel C++ Compiler 8.1 Build 20040802Z 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*: PASS1=-Qprof_gen  PASS2=-Qprof_use (-QxP not used in PASS1 to enable cross-compilation)
Base tuning for C programs:   -fast  +FDO  shlw32M.lib
Base tuning for C++ programs: -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:      basepeak=1
  175.vpr:       -fast               +FDO  ONESTEP=yes
  176.gcc:       basepeak=1
  181.mcf:       -fast               +FDO  ONESTEP=yes shlw32M.lib
  186.crafty:    -fast -Oa           +FDO  ONESTEP=yes shlw32M.lib
  197.parser:    -fast               +FDO  ONESTEP=yes
  252.eon:       -QxP      -O2 -Qipo +FDO* ONESTEP=yes
  253.perlbmk:   -fast -Oa           +FDO  ONESTEP=yes shlw32M.lib
  254.gap:       -fast               +FDO  ONESTEP=yes
  255.vortex:    basepeak=1
```

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Notes/Tuning Information (Continued)

```
    256.bzip2:     -fast -Oa -Qunroll1 +FDO ONESTEP=yes
    300.twolf:     basepeak=1
  BIOS Configuration Notes
    HT Technology disabled
```