CINT2000 Result

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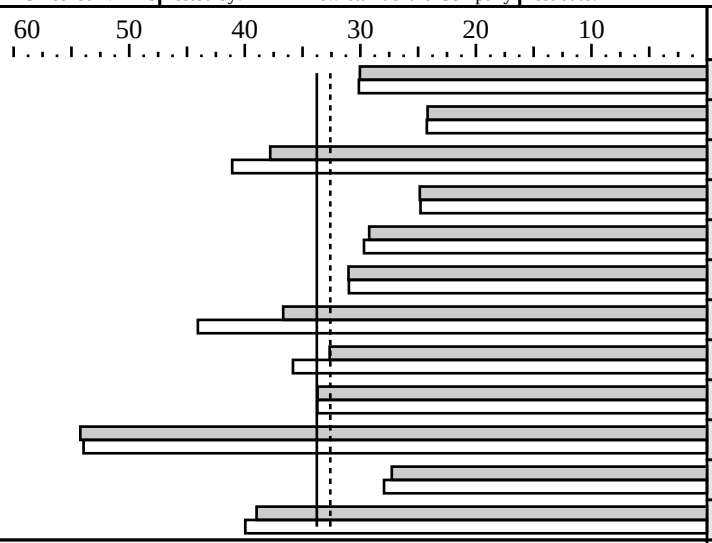
Hewlett-Packard Company

ProLiant ML370 G3 (3.2GHz/2MB L3 cache, Intel Xeon)

SPECint_rate2000 = 33.8

SPECint_rate_base2000 = 32.6

SPEC license #: 3 | Tested by: Hewlett-Packard Company | Test date: Jun-2004 | Hardware Avail: Feb-2004 | Software Avail: Jun-2004



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	2	108	30.0	2	108	30.1
175.vpr	2	134	24.2	2	134	24.2
176.gcc	2	67.5	37.8	2	62.1	41.1
181.mcf	2	168	24.9	2	168	24.8
186.crafty	2	79.4	29.2	2	78.2	29.7
197.parser	2	135	31.0	2	135	31.0
252.eon	2	82.2	36.7	2	68.5	44.1
253.perlbmk	2	128	32.7	2	117	35.8
254.gap	2	75.7	33.7	2	75.7	33.7
255.vortex	2	81.3	54.2	2	81.7	54.0
256.bzip2	2	128	27.3	2	125	27.9
300.twolf	2	179	39.0	2	174	40.0

Hardware

CPU:	Intel Xeon (3.2GHz, 533MHz bus)
CPU MHz:	3200
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 + 8KBD on chip
Secondary Cache:	512KB(I+D) on chip
L3 Cache:	2048KB(I+D) on chip
Other Cache:	N/A
Memory:	4x512MB PC2100
Disk Subsystem:	1x36.4GB 15K Ultra320 SCSI
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
Base tuning for C programs:   -QxN -Qipo -O3 +FDO ONESTEP=yes
Base tuning for C++ programs: -Qipo -GX -GR +FDO ONESTEP=yes
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:       -QxN -Qipo -Oa -O3 +FDO ONESTEP=yes
  175.vpr:    -QxN -Qipo -O3 +FDO ONESTEP=yes
  176.gcc:    -QxN -Qipo -Oi- -O3 +FDO ONESTEP=yes
  181.mcf:    -QxN -Qipo -O3 +FDO shlw32M.lib ONESTEP=yes
  186.crafty:     -QxN -Qipo -Oa -O3 +FDO shlw32M.lib ONESTEP=yes
  197.parser:     -QxN -Qipo -O3 +FDO ONESTEP=yes
  252.eon:   -QxN -Qipo -O3 +FDO ONESTEP=yes
  253.perlbmk:    -Qipo -Oa -O3 +FDO shlw32M.lib ONESTEP=yes
  254.gap:   -QxN -Qipo -O3 +FDO ONESTEP=yes
  255.vortex:     -QxN -Qipo -O3 +FDO shlw32M.lib ONESTEP=yes
  256.bzip2:   -Qunroll1 -Oa -Qipo +FDO ONESTEP=yes
```

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Notes/Tuning Information (Continued)

```
  300.twolf:   -QxN -Qipo -O3 +FDO shlw32M.lib ONESTEP=yes
BIOS Configuration Notes
  HT Technology disabled
```