CINT2000 Result

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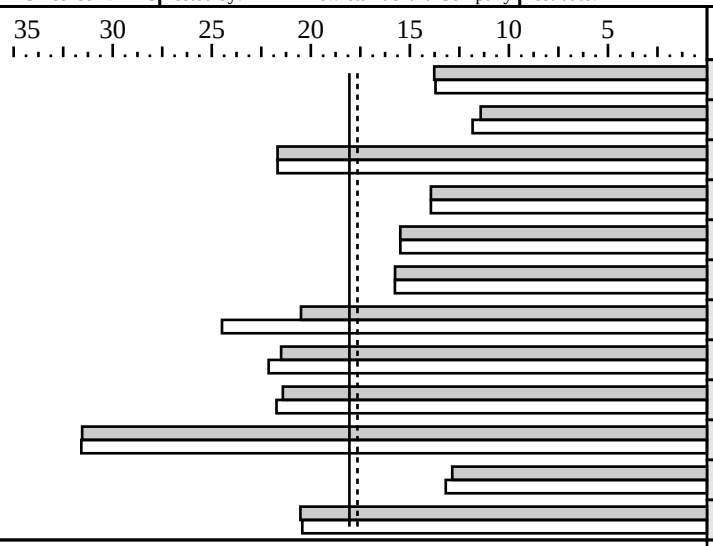
Hewlett-Packard Company
ProLiant ML370 G4 (3.6GHz, Intel Xeon)

SPECint_rate2000 = 18.1

SPECint_rate_base2000 = 17.6

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



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	1	118	13.8	1	119	13.7
175.vpr	1	142	11.4	1	137	11.8
176.gcc	1	58.9	21.7	1	58.9	21.7
181.mcf	1	150	13.9	1	150	13.9
186.crafty	1	74.9	15.5	1	74.9	15.5
197.parser	1	133	15.7	1	133	15.8
252.eon	1	73.6	20.5	1	61.6	24.5
253.perlbmk	1	97.1	21.5	1	94.4	22.1
254.gap	1	59.6	21.4	1	58.7	21.7
255.vortex	1	69.9	31.5	1	69.8	31.6
256.bzip2	1	135	12.9	1	132	13.2
300.twolf	1	170	20.5	1	170	20.4

Hardware

CPU:	Intel Xeon (3.6GHz, 1MB L2, 800MHz bus)
CPU MHz:	3600
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:	8x512MB DDR2-400
Disk Subsystem:	1x18.2GB 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
+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.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*
  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 shlw32M.lib
  300.twolf:      -QxP -fast -O3           +FDO*             shlw32M.lib
BIOS Configuration Notes
  HT Technology disabled
```