CINT2000 Result

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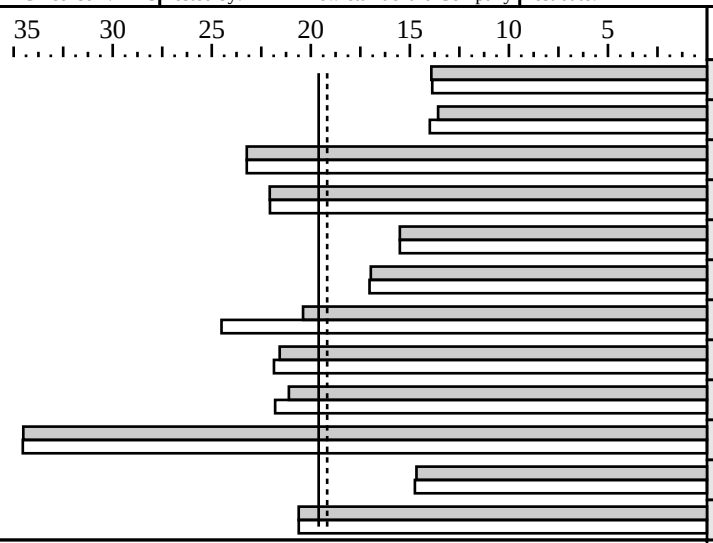
Hewlett-Packard Company
ProLiant DL380 G4 (3.6GHz, Intel Xeon)

SPECint_rate2000 = 19.6

SPECint_rate_base2000 = 19.2

SPEC license #: 3 | Tested by: Hewlett-Packard Company | Test date: Feb-2005 | Hardware Avail: Mar-2005 | Software Avail: Feb-2005



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	1	117	13.9	1	117	13.9
175.vpr	1	120	13.6	1	116	14.0
176.gcc	1	54.9	23.2	1	54.9	23.2
181.mcf	1	94.6	22.1	1	94.6	22.1
186.crafty	1	74.8	15.5	1	74.8	15.5
197.parser	1	123	17.0	1	123	17.0
252.eon	1	74.0	20.4	1	61.5	24.5
253.perlbmk	1	96.8	21.6	1	95.5	21.9
254.gap	1	60.5	21.1	1	58.5	21.8
255.vortex	1	63.9	34.5	1	63.8	34.5
256.bzip2	1	119	14.7	1	118	14.7
300.twolf	1	169	20.6	1	169	20.6

Hardware

CPU:	Intel Xeon (3.6GHz, 2MB L2, 800MHz bus)
CPU MHz:	3600
FPU:	Integrated
CPU(s) enabled:	1 core, 1 chip, 1 core/chip (Hyper-Threading Technology disabled)
CPU(s) orderable:	1,2
Parallel:	No
Primary Cache:	12K micro-ops I + 16KBD on chip
Secondary Cache:	2048KB(I+D) on chip
L3 Cache:	N/A
Other Cache:	N/A
Memory:	4x1024MB PC2-3200
Disk Subsystem:	1x18.2GB 15K Ultra320 SCSI
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

Base tuning for C programs:        -fast         +FDO  ONESTEP=yes 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:                  -ipo -Oa      +FDO  ONESTEP=yes shlw32M.lib
  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
  253.perlbmk:         -fast -Oa           +FDO  ONESTEP=yes shlw32M.lib
  254.gap:             -fast               +FDO  ONESTEP=yes
  255.vortex:          -fast               +FDO  ONESTEP=yes shlw32M.lib
```

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Notes/Tuning Information (Continued)

```
    256.bzip2:           -fast -Oa -Qunroll1 +FDO  ONESTEP=yes shlw32M.lib
    300.twolf:           -fast -O3           +FDO              shlw32M.lib
  BIOS Configuration Notes
    Hyper-Threading Technology disabled
```