CINT2000 Result

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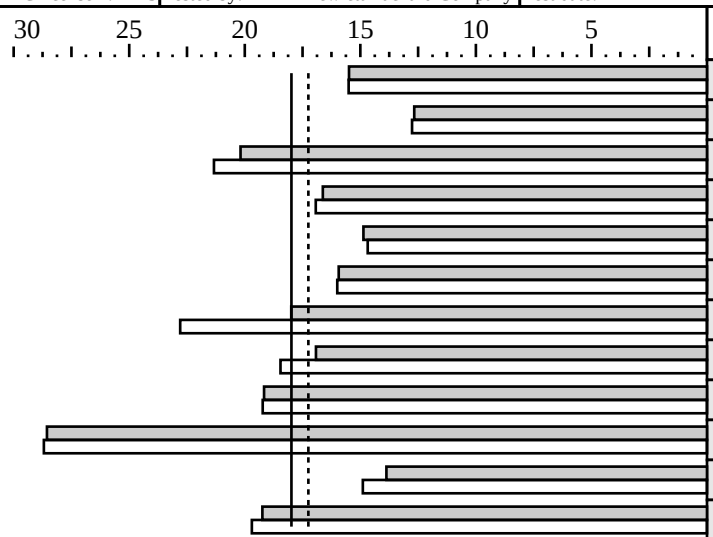
Hewlett-Packard Company

ProLiant BL30p (3.2GHz/2MB L3 cache, Intel Xeon)

SPECint_rate2000 = 18.0

SPECint_rate_base2000 = 17.2

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



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	1	105	15.5	1	105	15.5
175.vpr	1	128	12.7	1	127	12.8
176.gcc	1	63.2	20.2	1	59.8	21.3
181.mcf	1	126	16.6	1	123	16.9
186.crafty	1	78.0	14.9	1	79.0	14.7
197.parser	1	131	15.9	1	131	16.0
252.eon	1	83.8	18.0	1	66.2	22.8
253.perlbmk	1	123	16.9	1	113	18.5
254.gap	1	66.6	19.2	1	66.4	19.2
255.vortex	1	77.2	28.6	1	76.8	28.7
256.bzip2	1	125	13.9	1	117	14.9
300.twolf	1	181	19.2	1	177	19.7

Hardware

CPU:	Intel Xeon (3.2GHz, 533MHz bus)
CPU MHz:	3200
FPU:	Integrated
CPU(s) enabled:	1 core, 1 chip, 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:	2x60GB ATA
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:   -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.crafty: -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 ONESTEP=yes shlw32M.lib
  186.crafty:     -QxN -Qipo -Oa  -O3   +FDO ONESTEP=yes shlw32M.lib
  197.parser:     -QxN -Qipo -O3        +FDO ONESTEP=yes
  252.eon:        -QxN -Qipo -O3        +FDO ONESTEP=yes
  253.perlbmk:         -Qipo -Oa  -O3   +FDO ONESTEP=yes shlw32M.lib
  254.gap:        -QxN -Qipo -O3        +FDO ONESTEP=yes
  255.vortex:     -QxN -Qipo -O3        +FDO ONESTEP=yes shlw32M.lib
  256.bzip2:      -Qunroll1  -Oa -Qipo  +FDO ONESTEP=yes
```

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Notes/Tuning Information (Continued)

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