CINT2000 Result

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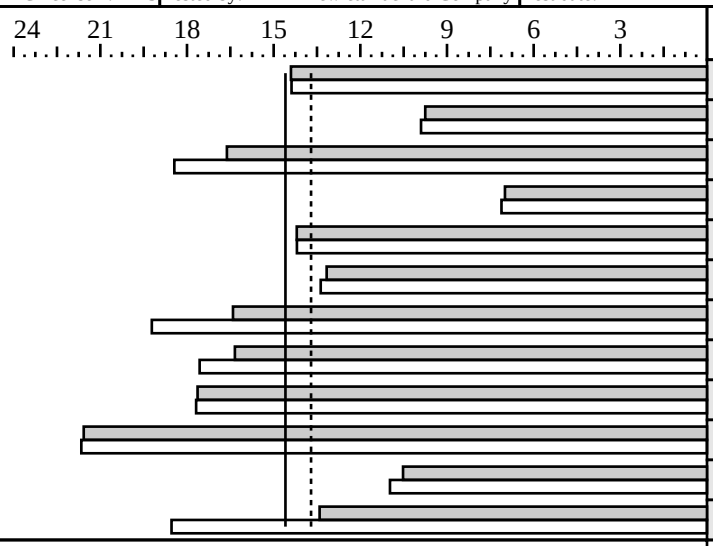
Hewlett-Packard Company

ProLiant DL140(3.2GHz/1MB L3 cache, Intel Xeon)

SPECint_rate2000 = 14.6

SPECint_rate_base2000 = 13.7

SPEC license #: 3 | Tested by: Hewlett-Packard Company | Test date: Nov-2003 | Hardware Avail: Nov-2003 | Software Avail: Nov-2003



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	1	113	14.4	1	113	14.4
175.vpr	1	167	9.75	1	164	9.90
176.gcc	1	76.8	16.6	1	69.2	18.4
181.mcf	1	299	6.99	1	294	7.11
186.crafty	1	81.7	14.2	1	81.7	14.2
197.parser	1	159	13.2	1	156	13.4
252.eon	1	91.9	16.4	1	78.5	19.2
253.perlbmk	1	128	16.3	1	119	17.6
254.gap	1	72.4	17.6	1	72.2	17.7
255.vortex	1	102	21.6	1	102	21.7
256.bzip2	1	165	10.5	1	159	11.0
300.twolf	1	260	13.4	1	188	18.5

Hardware

CPU:	Intel Xeon (3.2GHz, 533MHz bus)
CPU MHz:	3200
FPU:	Integrated
CPU(s) enabled:	1 core, 1 chip, 1 core/chip (Hyper-Threading 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:	1024KB(I+D) on chip
Other Cache:	N/A
Memory:	4x512MB PC2100
Disk Subsystem:	1x80GB ATA/100 7200 rpm
Other Hardware:	

Software

Operating System:	Windows 2000 Server(Build 2195 SP3)
Compiler:	Intel C++ Compiler 7.1 Build 20030813Z 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:   -QxW -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:  -O3 -QxW -Qipo +FDO ONESTEP=yes
  175.vpr:  -QxW -Qipo -O3 +FDO ONESTEP=yes
  176.gcc:  -QxW -Qipo -Oi- -O3 +FDO ONESTEP=yes
  181.mcf:  -Oa -Qipo +FDO shlw32M.lib ONESTEP=yes
  186.crafty:  -QxW -Qipo -O3 +FDO ONESTEP=yes
  197.parser:  -QxW -Qipo -Oa -O3 +FDO ONESTEP=yes
  252.eon: -QxW -Qipo -O3 +FDO ONESTEP=yes
  253.perlbmk: -Qipo -Oa -O3 +FDO shlw32M.lib ONESTEP=yes
  254.gap: -QxW -Qipo -O3 +FDO ONESTEP=yes
  255.vortex: -QxW -Qipo -O3 +FDO ONESTEP=yes
  256.bzip2: -Qunroll1 -Oa -Qipo +FDO ONESTEP=yes
```

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Notes/Tuning Information (Continued)

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