CINT2000 Result

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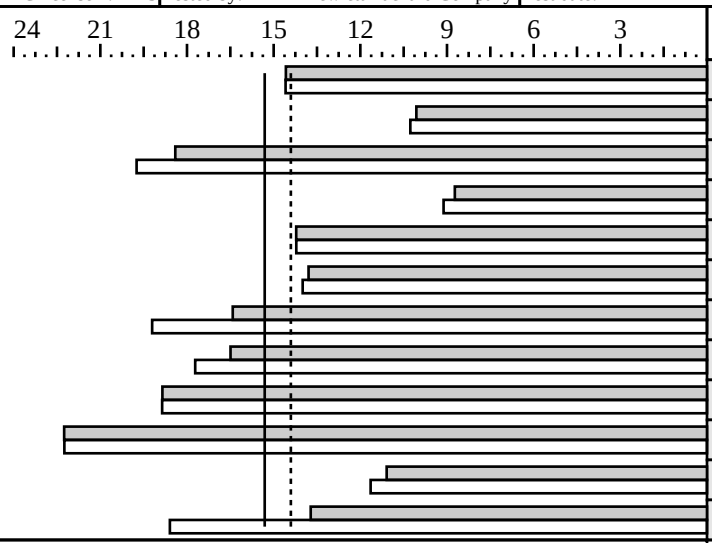
Hewlett-Packard Company

ProLiant BL20p G2(3.2GHz/1MB L3 cache, Intel Xeon)

SPECint_rate2000 = 15.3

SPECint_rate_base2000 = 14.4

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



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	1	111	14.6	1	111	14.6
175.vpr	1	161	10.1	1	158	10.3
176.gcc	1	69.3	18.4	1	64.6	19.7
181.mcf	1	239	8.73	1	229	9.12
186.crafty	1	81.6	14.2	1	81.6	14.2
197.parser	1	151	13.8	1	149	14.0
252.eon	1	91.9	16.4	1	78.5	19.2
253.perlbmk	1	127	16.5	1	118	17.7
254.gap	1	67.7	18.9	1	67.7	18.9
255.vortex	1	99.0	22.3	1	99.1	22.2
256.bzip2	1	157	11.1	1	149	11.6
300.twolf	1	254	13.7	1	187	18.6

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:	2x36.4GB 15K Ultra320 SCSI
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 shlw32M.lib 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 in BIOS
```