CINT2000 Result

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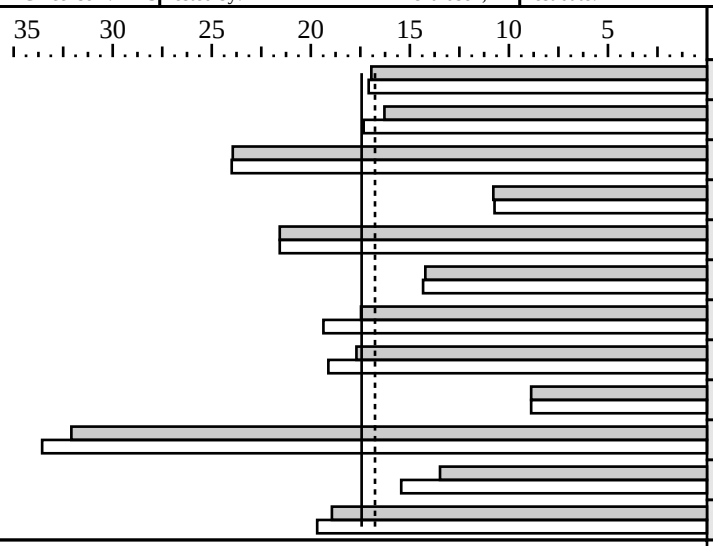
Hewlett-Packard Company
HP 9000 Model L3000

SPECint_rate2000 = 17.4

SPECint_rate_base2000 = 16.8

SPEC license #: 3 | Tested by: HP Richardson, TX | Test date: Nov-2000 | Hardware Avail: Nov-2000 | Software Avail: Nov-2000



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	4	383	16.9	4	380	17.1
175.vpr	4	399	16.3	4	375	17.3
176.gcc	4	213	23.9	4	213	24.0
181.mcf	4	774	10.8	4	779	10.7
186.crafty	4	215	21.6	4	215	21.6
197.parser	4	587	14.2	4	583	14.3
252.eon	4	345	17.5	4	312	19.4
253.perlbmk	4	472	17.7	4	437	19.1
254.gap	4	575	8.88	4	575	8.88
255.vortex	4	275	32.1	4	263	33.6
256.bzip2	4	516	13.5	4	451	15.4
300.twolf	4	735	18.9	4	707	19.7

Hardware

CPU:	550 MHz PA-8600
CPU MHz:	550
FPU:	Integrated
CPU(s) enabled:	4 cores, 4 chips, 1 core/chip
CPU(s) orderable:	1-4
Parallel:	No
Primary Cache:	512KBI+1MBD (on chip)
Secondary Cache:	none
L3 Cache:	none
Other Cache:	None
Memory:	8GB
Disk Subsystem:	2x36 GB 10000RPM
Other Hardware:	--

Software

Operating System:	HP-UX B.11.0
Compiler:	HP92453-01 A.11.01.20 HP C Compiler B3913DB C.03.25 HP aC++ Compiler (S800)
File System:	HP-UX HFS
System State:	Multi-user

Notes/Tuning Information

```
Portability flags:
175.vpr: -DSPEC_CPU2000 ; 176.gcc: -DHOST_WORDS_BIG_ENDIAN
181.mcf: -DWANT_STDC_PROTO ; 186.crafty: -DHP -DSPEC_CPU2000
197.parser: -DSPEC_CPU2000 ; 252.eon: -DFMAX_IS_DOUBLE -DNDEBUG
253.perlbmk: -DSPEC_CPU2000_HP ; 254.gap: -DSPEC_CPU2000_HP
-DSYS_IS_USG -DSYS_HAS_IOCTL_PROTO -DSYS_HAS_TIME_PROTO -DSYS_HAS_CALLOC_PROTO
300.twolf: -DSPEC_CPU2000
Compiler invoked in extended ANSI mode: cc -Ae
Base flags:
 cc: +Oall +Ostatic_prediction -Wl,-aarchive +I/+P
c++: +O3 +Ostatic_prediction -Wl,-aarchive +I/+P
Peak flags:
Peak flags = base flags for 186.crafty and 254.gap
        all: +Ostaticprediction -Wl,-aarchive  +I/+P
   164.gzip: +Oall +Optrs_strongly_typed +Oinline_budget=800
             -Wl,/opt/langtools/lib/fastmem.o
    175.vpr: +Oall  +Optrs_strongly_typed +Owhole_program_mode
    176.gcc: +Oall +ESlit +ESfic
    181.mcf: +Oall +Opromote_indirect_calls
 186.crafty: basepeak
```

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Notes/Tuning Information (Continued)

```
 197.parser: +Oall +Odataprefetch +ESfic +Oinline_budget=400
    252.eon: +noeh +O4 +Optrs_strongly_typed +Olibcalls
253.perlbmk: +Oall +ESlit +ESfic -Wl,/opt/langtools/lib/fastmem.o
    254.gap: basepeak
 255.vortex: +Oall +Oinline_budget=800 +Optrs_strongly_typed
             -Wl,/opt/langtools/lib/fastmem.o
  256.bzip2: +Oall +Odataprefetch +Optrs_strongly_typed
  300.twolf: +Oall +Optrs_strongly_typed
Kernel tunables:
vps_pagesize=4096, vps_ceiling=16384, maxdsiz=0X040000000, maxssiz=0X10000000, dbc_max_pct=10, dbc_min_pct=10
Event Monitoring System disabled.
```