CINT2000 Result

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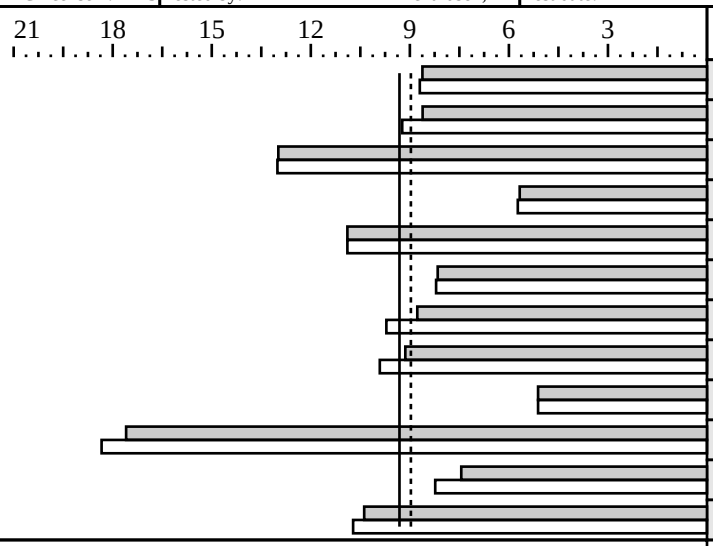
Hewlett-Packard Company
HP 9000 Model A500

SPECint_rate2000 = 9.31

SPECint_rate_base2000 = 8.97

SPEC license #: 3 | Tested by: HP Richardson, TX | Test date: Jan-2001 | Hardware Avail: Nov-2000 | Software Avail: Nov-2000



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	2	377	8.62	2	373	8.70
175.vpr	2	377	8.61	2	352	9.23
176.gcc	2	197	13.0	2	196	13.0
181.mcf	2	736	5.67	2	729	5.73
186.crafty	2	213	10.9	2	213	10.9
197.parser	2	512	8.16	2	509	8.20
252.eon	2	344	8.77	2	311	9.71
253.perlbmk	2	457	9.14	2	421	9.91
254.gap	2	499	5.12	2	499	5.12
255.vortex	2	251	17.6	2	240	18.3
256.bzip2	2	468	7.44	2	423	8.23
300.twolf	2	670	10.4	2	649	10.7

Hardware

CPU:	550 MHz PA-8600
CPU MHz:	550
FPU:	Integrated
CPU(s) enabled:	2 cores, 2 chips, 1 core/chip
CPU(s) orderable:	1-2
Parallel:	No
Primary Cache:	512KBI+1MBD (on chip)
Secondary Cache:	none
L3 Cache:	none
Other Cache:	None
Memory:	4GB
Disk Subsystem:	2x18 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 VxFS
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
```

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Notes/Tuning Information (Continued)

```
    181.mcf: +Oall +Opromote_indirect_calls
 186.crafty: basepeak
 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
Event Monitoring System disabled.
```