



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.zip	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.perlbnk	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.perlbnk: -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.zip: +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.perlbnk: +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=0X04000000, maxssiz=0X10000000, dbc_max_pct=10, dbc_min_pct=10
Event Monitoring System disabled.
```