



CINT2000 Result

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Hewlett-Packard Company
HP 9000 Model L3000

SPECint2000 = 388
SPECint_base2000 = 373

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	
164.gzip	1400	381	368	377	371	
175.vpr	1400	381	367	357	392	
176.gcc	1100	210	525	210	525	
181.mcf	1800	637	283	636	283	
186.crafty	1000	215	464	215	464	
197.parser	1800	575	313	572	315	
252.eon	1300	348	374	313	416	
253.perlbnk	1800	472	381	436	413	
254.gap	1100	562	196	562	196	
255.vortex	1900	269	707	256	742	
256.bzip2	1500	497	302	434	346	
300.twolf	3000	721	416	694	432	

Hardware

CPU: 550 MHz PA-8600
CPU MHz: 550
FPU: Integrated
CPU(s) enabled: 1 core, 1 chip, 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.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.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
Unused processors disabled at boot
Event Monitoring System disabled.
```