CINT2000 Result

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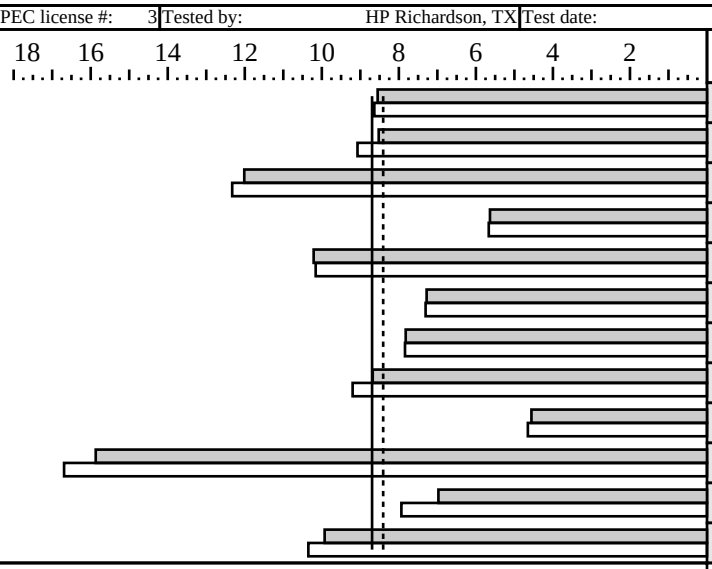
Hewlett-Packard Company
HP 9000 Model N4000

SPECint_rate2000 = 8.70

SPECint_rate_base2000 = 8.41

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



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	2	380	8.55	2	376	8.64
175.vpr	2	381	8.52	2	358	9.07
176.gcc	2	212	12.0	2	207	12.3
181.mcf	2	741	5.63	2	737	5.67
186.crafty	2	227	10.2	2	228	10.2
197.parser	2	574	7.28	2	572	7.31
252.eon	2	386	7.82	2	385	7.84
253.perlbmk	2	481	8.68	2	454	9.20
254.gap	2	560	4.56	2	549	4.65
255.vortex	2	278	15.9	2	264	16.7
256.bzip2	2	499	6.97	2	439	7.93
300.twolf	2	701	9.93	2	673	10.3

Hardware

CPU:	552 MHz PA-RISC 8600
CPU MHz:	552
FPU:	Integrated
CPU(s) enabled:	2 cores, 2 chips, 1 core/chip
CPU(s) orderable:	1-8
Parallel:	--
Primary Cache:	512KBI+1MBD
Secondary Cache:	None
L3 Cache:	None
Other Cache:	None
Memory:	8GB
Disk Subsystem:	1x9GB FC 10,000 rpm
Other Hardware:	--

Software

Operating System:	HP-UX B.11.00
Compiler:	HP92453-01 A.11.01.02 HP C Compiler HP aC++ B3910B X.03.14.05
File System:	HP-UX VxFS
System State:	Multi-user

Notes/Tuning Information

```
Portability flags:
cc: -Ae

Base Flags:
cc: +Oall +Onovectorize -Wl,-a,archive +I/+P
c++: +O2 +Ostaticprediction -Wl,-aarchive +I/+P

Peak flags:
164.gzip: +Oall +Onovectorize +ESlit +ESfic +Optrs_strongly_typed -Wl,-aarchive
175.vpr: +Oall +Onovectorize +Ostaticprediction +Odataprefetch +ESlit +ESfic +Optrs_strongly_typed -Wl,-aarchive
176.gcc: +Oall +Ostaticprediction +ESlit +ESfic +Optrs_strongly_typed -Wl,-aarchive
181.mcf: +Oall +Onovectorize +Ostaticprediction -Wl,-aarchive
186.crafty: +Oall
197.parser: +Oall +Ostaticprediction +Odataprefetch +ESlit +ESfic -Wl,-aarchive
253.perlbmk: +Oall +Onovectorize +Ostaticprediction +ESlit +ESfic +Optrs_strongly_typed -Wl,-aarchive
254.gap: +Oall +Ostaticprediction +ESlit +ESfic +Optrs_strongly_typed -Wl,-aarchive
255.vortex: +Oall +Onovectorize +Ostaticprediction +ESlit +ESfic +Optrs_strongly_typed -Wl,-aarchive
256.bzip2: +Oall +Onovectorize +Ostaticprediction +Odataprefetch +ESlit +ESfic +Optrs_strongly_typed -Wl,-aarchive
300.twolf: +Oall +Onovectorize +Ostaticprediction +Optrs_strongly_typed
Kernel Tunables:
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Notes/Tuning Information (Continued)

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vps_pagesize=256, vps_ceiling=256
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