



CINT2000 Result

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Hewlett-Packard Company
HP 9000 Model N4000

SPECint_rate2000 = 17.0
SPECint_rate_base2000 = 16.5

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	4	382	17.0	4	378	17.2
175.vpr	4	391	16.6	4	369	17.6
176.gcc	4	216	23.6	4	211	24.1
181.mcf	4	828	10.1	4	826	10.1
186.crafty	4	227	20.4	4	228	20.4
197.parser	4	585	14.3	4	583	14.3
252.eon	4	385	15.7	4	384	15.7
253.perlbnk	4	483	17.3	4	455	18.4
254.gap	4	573	8.91	4	562	9.08
255.vortex	4	282	31.2	4	268	32.9
256.bzip2	4	513	13.6	4	449	15.5
300.twolf	4	711	19.6	4	682	20.4

Hardware

CPU: 552 MHz PA-RISC 8600
 CPU MHz: 552
 FPU: Integrated
 CPU(s) enabled: 4 cores, 4 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 +ESflic +Optrs_strongly_typed -Wl,-aarchive
 175.vpr: +Oall +Onovectorize +Ostaticprediction +Odataprefetch +ESlit +ESflic +Optrs_strongly_typed -Wl,-aarchive
 176.gcc: +Oall +Ostaticprediction +ESlit +ESflic +Optrs_strongly_typed -Wl,-aarchive
 181.mcf: +Oall +Onovectorize +Ostaticprediction -Wl,-aarchive
 186.crafty: +Oall
 197.parser: +Oall +Ostaticprediction +Odataprefetch +ESlit +ESflic -Wl,-aarchive
 253.perlbnk: +Oall +Onovectorize +Ostaticprediction +ESlit +ESflic +Optrs_strongly_typed -Wl,-aarchive
 254.gap: +Oall +Ostaticprediction +ESlit +ESflic +Optrs_strongly_typed -Wl,-aarchive
 255.vortex: +Oall +Onovectorize +Ostaticprediction +ESlit +ESflic +Optrs_strongly_typed -Wl,-aarchive
 256.bzip2: +Oall +Onovectorize +Ostaticprediction +Odataprefetch +ESlit +ESflic +Optrs_strongly_typed -Wl,-aarchive
 300.twolf: +Oall +Onovectorize +Ostaticprediction +Optrs_strongly_typed
 Kernel Tunables:



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Notes/Tuning Information (Continued)

vps_pagesize=256, vps_ceiling=256