



CINT2000 Result

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Hewlett-Packard Company

ProLiant DL320 G4 (3.0GHz Intel Pentium D Processor 930)

SPECint_rate2000 = 34.0

SPECint_rate_base2000 = 33.9

SPEC license #: 3 Tested by: Hewlett-Packard Company Test date: Mar-2006 Hardware Avail: Mar-2006 Software Avail: Jan-2006

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	2	138	23.5	2	138	23.5
175.vpr	2	142	22.9	2	138	23.5
176.gcc	2	62.0	41.1	2	62.0	41.1
181.mcf	2	108	38.7	2	108	38.7
186.crafty	2	90.0	25.8	2	90.2	25.7
197.parser	2	144	29.0	2	143	29.1
252.eon	2	68.7	43.9	2	69.0	43.7
253.perlbnk	2	101	41.4	2	100	41.7
254.gap	2	71.6	35.7	2	70.5	36.2
255.vortex	2	72.6	60.7	2	72.5	60.8
256.bzip2	2	133	26.1	2	134	26.1
300.twolf	2	198	35.1	2	198	35.1

Hardware

CPU: Intel Pentium D Processor 930 (3.0 GHz, 2x2MB L2, 800MHz bus)
CPU MHz: 3000
FPU: Integrated
CPU(s) enabled: 2 cores, 1 chip, 2 cores/chip
CPU(s) orderable: 1
Parallel: No
Primary Cache: 12K micro-ops I + 16KBD (on chip) per core
Secondary Cache: 2048KB(I+D) (on chip) per core
L3 Cache: N/A
Other Cache: N/A
Memory: 4x2048MB PC2-4200
Disk Subsystem: 1x80.0GB SATA
Other Hardware:

Software

Operating System: Windows Server 2003 Standard SP1
Compiler: Intel C++ Compiler for 32-bit applications, (Version 9.0 Build 20060120Z)
Microsoft Visual Studio .NET 7.0.9466 (for libraries)
MicroQuill Smartheap Library 7.0
File System: NTFS
System State: Default

Notes/Tuning Information

+FDO: PASS1=-Qprof_gen PASS2=-Qprof_use

Base tuning for C programs: -fast +FDO ONESTEP=yes shlw32M.lib

Base tuning for C++ programs: -fast -Qcxx_features +FDO ONESTEP=yes

Portability flags:

176.gcc: -Dalloca=_alloca /F10000000

186.crafty: -DNT_i386

253.perlbnk: -DSPEC_CPU2000_NTOS -DPERL DLL /MT

254.gap: -DSYS_HAS_CALLOC_PROTO -DSYS_HAS_MALLOC_PROTO

Peak tuning:

164.gzip: -fast +FDO ONESTEP=yes

175.vpr: -fast +FDO ONESTEP=yes

176.gcc: basepeak = 1

181.mcf: -fast +FDO ONESTEP=yes shlw32M.lib

186.crafty: -fast -Oa +FDO ONESTEP=yes shlw32M.lib

197.parser: -fast +FDO ONESTEP=yes

252.eon: -fast +FDO

253.perlbnk: -fast -Oa +FDO ONESTEP=yes shlw32M.lib

254.gap: -fast +FDO ONESTEP=yes

255.vortex: -fast +FDO ONESTEP=yes shlw32M.lib

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Notes/Tuning Information (Continued)

256.bzip2: -fast -Oa -Qunroll11 +FDO ONESTEP=yes shlw32M.lib
300.twolf: -fast +FDO shlw32M.lib