



CINT2000 Result

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Hewlett-Packard Company

ProLiant ML310 G3 (3.0GHz, Intel Pentium D Processor 930)

SPECint_rate2000 = 17.4

SPECint_rate_base2000 = 17.4

SPEC license #: 3 Tested by: Hewlett-Packard Company Test date: Feb-2006 Hardware Avail: Feb-2006 Software Avail: Oct-2005

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	1	137	11.9	1	137	11.8
175.vpr	1	138	11.7	1	135	12.0
176.gcc	1	61.5	20.7	1	61.5	20.7
181.mcf	1	93.4	22.4	1	94.4	22.1
186.crafty	1	90.0	12.9	1	90.3	12.8
197.parser	1	143	14.6	1	143	14.6
252.eon	1	68.7	21.9	1	68.5	22.0
253.perlbnk	1	100	20.8	1	98.9	21.1
254.gap	1	67.6	18.9	1	66.3	19.3
255.vortex	1	71.3	30.9	1	71.3	30.9
256.bzip2	1	132	13.2	1	131	13.2
300.twolf	1	198	17.5	1	199	17.5

Hardware

CPU: Intel Pentium D Processor 930 (3.0GHz, 2x2MB L2, 800MHz bus)
CPU MHz: 3000
FPU: Integrated
CPU(s) enabled: 1 core, 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: 4x1024MB PC2-4200
Disk Subsystem: 1x36.4GB 15K Ultra320 SCSI
Other Hardware:

Software

Operating System: Windows Server 2003 Enterprise SP1
Compiler: Intel C++ Compiler for 32-bit applications, (Version 9.0 Build 20051020Z)
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 -DPERLDLL /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)

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256.bzip2: -fast -Oa -Qunroll1 +FDO ONESTEP=yes shlw32M.lib
300.twolf: -fast +FDO shlw32M.lib
Other Configuration Notes
/NUMPROC=1 flag was added to boot.ini to invoke the uniprocessor environment.
```