



CINT2000 Result

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Hewlett-Packard Company
ProLiant DL380 G5 (3.73GHz, Intel Xeon Processor 5080)

SPECint_rate2000 = 20.5
SPECint_rate_base2000 = 20.5

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

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	1	111	14.7	1	111	14.7
175.vpr	1	122	13.4	1	118	13.7
176.gcc	1	51.1	25.0	1	51.1	25.0
181.mcf	1	93.2	22.4	1	93.1	22.4
186.crafty	1	72.5	16.0	1	72.8	15.9
197.parser	1	119	17.5	1	119	17.6
252.eon	1	55.3	27.3	1	55.1	27.3
253.perlbnk	1	82.0	25.5	1	82.2	25.4
254.gap	1	57.3	22.3	1	56.2	22.7
255.vortex	1	63.3	34.8	1	63.3	34.8
256.bzip2	1	117	14.9	1	117	14.9
300.twolf	1	160	21.8	1	160	21.8

Hardware

CPU: Intel Xeon Processor 5080(3.73GHz, 2x2MB L2, 1066MHz bus)
CPU MHz: 3730
FPU: Integrated
CPU(s) enabled: 1 core, 1 chip, 2 cores/chip (Hyper-Threading Technology disabled)
CPU(s) orderable: 1,2
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: 8x2GB PC2-5300F
Disk Subsystem: 1x72GB SAS
Other Hardware:

Software

Operating System: Windows Server 2003 Enterprise SP1
Compiler: Intel C++ Compiler for 32-bit applications, (Version 9.0 Build 20060120Z)
Intel Fortran 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 -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: basepeak = 1

186.crafty: basepeak = 1

197.parser: -fast +FDO ONESTEP=yes

252.eon: basepeak = 1

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

254.gap: -fast +FDO ONESTEP=yes

255.vortex: basepeak = 1



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Notes/Tuning Information (Continued)

256.bzip2: -fast -Oa -Qunroll11 +FDO ONESTEP=yes shlw32M.lib
BIOS Configuration Notes
Hyper-Threading Technology disabled
Other Configuration Notes
/NUMPROC=1 flag was added to boot.ini to invoke uniprocessor environment.