



CINT2000 Result

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

SPECint_rate2000 = 42.5
SPECint_rate_base2000 = 42.3

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	4	170	38.3	4	170	38.2
175.vpr	4	250	26.0	4	239	27.2
176.gcc	4	88.1	57.9	4	88.1	57.9
181.mcf	4	301	27.8	4	301	27.8
186.crafty	4	146	31.8	4	146	31.8
197.parser	4	200	41.7	4	200	41.8
252.eon	4	110	54.8	4	110	54.8
253.perlbnk	4	177	47.1	4	177	47.3
254.gap	4	106	48.2	4	104	48.8
255.vortex	4	129	68.3	4	129	68.3
256.bzip2	4	198	35.1	4	198	35.1
300.twolf	4	268	51.9	4	269	51.7

Hardware

CPU: Intel Xeon Processor 5080(3.73GHz, 2x2MB L2, 1066MHz bus)
CPU MHz: 3730
FPU: Integrated
CPU(s) enabled: 2 cores, 1 chip, 2 cores/chip (Hyper-Threading Technology enabled)
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 enabled