



CINT2000 Result

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Hewlett-Packard Company
ProLiant DL380 G5 (3.0GHz, Intel Xeon processor 5160)

SPECint_rate2000 = 120
SPECint_rate_base2000 = 120

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

250	200	150	100	50	Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
					164.gzip	4	78.3	83.0	4	78.2	83.1
					175.vpr	4	78.3	83.0	4	74.6	87.1
					176.gcc	4	43.4	118	4	43.4	118
					181.mcf	4	84.3	99.1	4	84.4	98.9
					186.crafty	4	36.4	128	4	36.4	127
					197.parser	4	83.1	101	4	82.8	101
					252.eon	4	33.2	182	4	33.3	181
					253.perlbnk	4	52.9	158	4	52.8	158
					254.gap	4	44.9	114	4	45.1	113
					255.vortex	4	45.9	192	4	45.9	192
					256.bzip2	4	81.8	85.1	4	81.8	85.1
					300.twolf	4	87.7	159	4	87.7	159

Hardware

CPU: Intel Xeon processor 5160 (3.0GHz, 4MB L2 shared, 1333MHz bus)
CPU MHz: 3000
FPU: Integrated
CPU(s) enabled: 4 cores, 2 chips, 2 cores/chip
CPU(s) orderable: 1,2 chips
Parallel: No
Primary Cache: 32KB (I) + 32KB (D) (on chip) per core
Secondary Cache: 4096KB(I+D) (on chip) shared
L3 Cache: N/A
Other Cache: N/A
Memory: 8x1024MB PC2-5300F
Disk Subsystem: 1x36GB SAS
Other Hardware:

Software

Operating System: Windows Server 2003 Enterprise SP1
Compiler: Intel C++ Compiler for 32-bit applications, (Version 9.1 Build 20060323Z)
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

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)

256.bzip2: basepeak=1
300.twolf: -fast +FDO shlw32M.lib
BIOS Configuration Notes
Adjacent Sector Prefetch was disabled