



CINT2000 Result

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Hewlett-Packard Company
ProLiant DL380 G4 (3.6GHz, Intel Xeon)

SPECint_rate2000 = 19.6
SPECint_rate_base2000 = 19.2

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

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	1	117	13.9	1	117	13.9
175.vpr	1	120	13.6	1	116	14.0
176.gcc	1	54.9	23.2	1	54.9	23.2
181.mcf	1	94.6	22.1	1	94.6	22.1
186.crafty	1	74.8	15.5	1	74.8	15.5
197.parser	1	123	17.0	1	123	17.0
252.eon	1	74.0	20.4	1	61.5	24.5
253.perlbnk	1	96.8	21.6	1	95.5	21.9
254.gap	1	60.5	21.1	1	58.5	21.8
255.vortex	1	63.9	34.5	1	63.8	34.5
256.bzip2	1	119	14.7	1	118	14.7
300.twolf	1	169	20.6	1	169	20.6

Hardware

CPU: Intel Xeon (3.6GHz, 2MB L2, 800MHz bus)
 CPU MHz: 3600
 FPU: Integrated
 CPU(s) enabled: 1 core, 1 chip, 1 core/chip (Hyper-Threading Technology disabled)
 CPU(s) orderable: 1,2
 Parallel: No
 Primary Cache: 12K micro-ops I + 16KBD on chip
 Secondary Cache: 2048KB(I+D) on chip
 L3 Cache: N/A
 Other Cache: N/A
 Memory: 4x1024MB PC2-3200
 Disk Subsystem: 1x18.2GB 15K Ultra320 SCSI
 Other Hardware:

Software

Operating System: Windows Server 2003 Standard (Build 3790)
 Compiler: Intel C++ Compiler 8.1 Build 20040802Z
 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 -GX -GR

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: -ipo -Oa +FDO ONESTEP=yes shlw32M.lib

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: -QxP -O2 -Qipo +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 -O3 +FDO shlw32M.lib
BIOS Configuration Notes
Hyper-Threading Technology disabled