



CINT2000 Result

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Hewlett-Packard Company
ProLiant DL140 G2 (3.6GHz, Intel Xeon)

SPECint_rate2000 = 21.9
SPECint_rate_base2000 = 21.8

SPEC license #: 3 Tested by: Hewlett-Packard Company Test date: Jun-2005 Hardware Avail: May-2005 Software Avail: May-2005

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	2	173	18.8	2	172	18.8
175.vpr	2	228	14.3	2	220	14.8
176.gcc	2	96.8	26.4	2	96.8	26.4
181.mcf	2	210	19.9	2	209	19.9
186.crafty	2	142	16.4	2	142	16.4
197.parser	2	203	20.6	2	202	20.6
252.eon	2	118	25.5	2	118	25.7
253.perlbnk	2	188	22.2	2	186	22.4
254.gap	2	101	25.3	2	99.7	25.6
255.vortex	2	128	34.5	2	127	34.8
256.bzip2	2	185	18.8	2	188	18.5
300.twolf	2	271	25.7	2	269	25.8

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 enabled)
 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: 8x1024MB PC2-3200
 Disk Subsystem: 1x36.4GB 15K Ultra320 SCSI
 Other Hardware:

Software

Operating System: Windows Server 2003 Standard (Build 3790)
 Compiler: Intel C++ Compiler 8.1 Build 20050524Z
 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 -DPERLDDL /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: -fast -Oa -Qunroll11 +FDO ONESTEP=yes shlw32M.lib
300.twolf: -fast +FDO shlw32M.lib
BIOS Configuration Notes
Hyper-Threading Technology enabled