



CINT2000 Result

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Hewlett-Packard Company
ProLiant DL580 G4 (3.0GHz, Intel Xeon processor 7041)

SPECint_rate2000 = **61.0**
SPECint_rate_base2000 = **60.7**

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

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	4	142	45.7	4	142	45.7
175.vpr	4	161	40.2	4	157	41.4
176.gcc	4	67.2	75.9	4	67.2	75.9
181.mcf	4	202	41.4	4	202	41.4
186.crafty	4	88.6	52.3	4	88.5	52.4
197.parser	4	151	55.3	4	150	55.5
252.eon	4	63.6	94.9	4	63.6	94.8
253.perlbnk	4	105	79.4	4	103	80.9
254.gap	4	87.7	58.2	4	86.9	58.7
255.vortex	4	83.5	106	4	83.6	105
256.bzip2	4	154	45.1	4	154	45.1
300.twolf	4	195	71.4	4	195	71.4

Hardware

CPU: Intel Xeon processor 7041 (3.0GHz, 2x2MB L2, 800MHz bus)
CPU MHz: 3000
FPU: Integrated
CPU(s) enabled: 4 cores, 2 chips, 2 cores/chip (Hyper-Threading Technology disabled)
CPU(s) orderable: 1,2,4
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: 8x2048MB PC2-3200 dual-rank
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 ONESTEP=yes

Portability flags:

176.gcc: -Dalloca=_alloca /F10000000

186.crafty: -DNT_i386

253.perlbnk: -DSPEC_CPU2000_NTOS -DPERL DLL /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
Hyper-Threading Technology disabled