



CINT2000 Result

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Hewlett-Packard Company
ProLiant DL140 G2 (3.8GHz, Intel Xeon)

SPECint2000 = 1787
SPECint_base2000 = 1783

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	1000 2000 3000 4000			
164.gzip	1400	111	1267	111	1260	[Bar chart showing ratio]			
175.vpr	1400	116	1208	114	1230	[Bar chart showing ratio]			
176.gcc	1100	52.2	2107	52.2	2107	[Bar chart showing ratio]			
181.mcf	1800	92.3	1951	92.3	1951	[Bar chart showing ratio]			
186.crafty	1000	71.1	1406	71.2	1405	[Bar chart showing ratio]			
197.parser	1800	118	1526	118	1531	[Bar chart showing ratio]			
252.eon	1300	55.7	2334	55.3	2352	[Bar chart showing ratio]			
253.perlbnk	1800	81.4	2210	82.0	2196	[Bar chart showing ratio]			
254.gap	1100	55.7	1974	55.4	1986	[Bar chart showing ratio]			
255.vortex	1900	62.6	3034	62.9	3021	[Bar chart showing ratio]			
256.bzip2	1500	114	1313	113	1324	[Bar chart showing ratio]			
300.twolf	3000	159	1888	159	1889	[Bar chart showing ratio]			

Hardware

CPU: Intel Xeon (3.8GHz, 2MB L2, 800MHz bus)
CPU MHz: 3800
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: 8x1024MB PC2-3200
Disk Subsystem: 1x80.0GB SATA
Other Hardware:

Software

Operating System: Windows Server 2003 Enterprise SP1
Compiler: Intel C++ Compiler for 32-bit applications, (Version 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 -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: -fast -Oa -Qunroll11 +FDO ONESTEP=yes shlw32M.lib
300.twolf: -fast +FDO shlw32M.lib
BIOS Configuration Notes
Hyper-Threading Technology disabled