



CINT2000 Result

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

SPECint2000 = 1690
SPECint_base2000 = 1653

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	1000 2000 3000 4000			
164.gzip	1400	117	1200	117	1196	[Bar chart showing ratio 1196]			
175.vpr	1400	120	1170	116	1206	[Bar chart showing ratio 1206]			
176.gcc	1100	54.9	2003	54.9	2003	[Bar chart showing ratio 2003]			
181.mcf	1800	94.6	1903	94.6	1902	[Bar chart showing ratio 1902]			
186.crafty	1000	74.8	1337	74.8	1337	[Bar chart showing ratio 1337]			
197.parser	1800	123	1463	123	1469	[Bar chart showing ratio 1469]			
252.eon	1300	74.0	1758	61.5	2113	[Bar chart showing ratio 2113]			
253.perlbmk	1800	96.8	1860	95.5	1885	[Bar chart showing ratio 1885]			
254.gap	1100	60.5	1820	58.5	1879	[Bar chart showing ratio 1879]			
255.vortex	1900	63.9	2975	63.8	2977	[Bar chart showing ratio 2977]			
256.bzip2	1500	119	1264	118	1271	[Bar chart showing ratio 1271]			
300.twolf	3000	169	1777	169	1777	[Bar chart showing ratio 1777]			

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.perlbmk: -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.perlbmk: -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)

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256.bzip2:          -fast -Oa -Qunroll11 +FDO  ONESTEP=yes shlw32M.lib
300.twolf:          -fast -O3          +FDO          shlw32M.lib
BIOS Configuration Notes
Hyper-Threading Technology disabled
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