



CINT2000 Result

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Hewlett-Packard Company
ProLiant ML570 G4 (3.0GHz, Intel Xeon processor 7041)

SPECint2000 = **1430**
SPECint_base2000 = **1422**

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	1000 2000 3000 4000			
164.gzip	1400	138	1012	139	1011	[Bar chart showing ratio 1011]			
175.vpr	1400	149	937	145	963	[Bar chart showing ratio 963]			
176.gcc	1100	62.9	1750	62.9	1750	[Bar chart showing ratio 1750]			
181.mcf	1800	123	1466	123	1465	[Bar chart showing ratio 1465]			
186.crafty	1000	88.8	1126	88.7	1128	[Bar chart showing ratio 1128]			
197.parser	1800	148	1214	148	1219	[Bar chart showing ratio 1219]			
252.eon	1300	63.5	2049	63.5	2049	[Bar chart showing ratio 2049]			
253.perlbmk	1800	103	1742	101	1775	[Bar chart showing ratio 1775]			
254.gap	1100	70.7	1556	69.4	1585	[Bar chart showing ratio 1585]			
255.vortex	1900	80.4	2363	80.4	2363	[Bar chart showing ratio 2363]			
256.bzip2	1500	147	1018	147	1018	[Bar chart showing ratio 1018]			
300.twolf	3000	195	1541	195	1541	[Bar chart showing ratio 1541]			

Hardware

CPU: Intel Xeon processor 7041 (3.0GHz, 2x2MB L2, 800MHz bus)
CPU MHz: 3000
FPU: Integrated
CPU(s) enabled: 1 core, 1 chip, 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: 16x2048MB 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.perlbmk: -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.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)

256.bzip2: basepeak=1
300.twolf: -fast +FDO shlw32M.lib
BIOS Configuration Notes
Hyper-Threading Technology disabled
Other Configuration Notes
/NUMPROC=1 flag was added to boot.ini to invoke uniprocessor environment.