



CINT2000 Result

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Hewlett-Packard Company
ProLiant ML370 G5 (1.86 GHz, Intel Xeon processor E5320)

SPECint2000 = **1971**
SPECint_base2000 = **1965**

SPEC license #: 3 Tested by: Hewlett-Packard Company Test date: Feb-2007 Hardware Avail: Nov-2006 Software Avail: Nov-2006

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	1000 2000 3000 4000			
164.gzip	1400	121	1159	121	1157	[Bar chart showing ratio]			
175.vpr	1400	97.1	1442	95.2	1471	[Bar chart showing ratio]			
176.gcc	1100	49.5	2223	49.5	2223	[Bar chart showing ratio]			
181.mcf	1800	56.6	3178	56.4	3191	[Bar chart showing ratio]			
186.crafty	1000	58.7	1703	58.8	1701	[Bar chart showing ratio]			
197.parser	1800	116	1548	116	1551	[Bar chart showing ratio]			
252.eon	1300	53.7	2421	53.7	2420	[Bar chart showing ratio]			
253.perlbmk	1800	79.8	2255	78.7	2288	[Bar chart showing ratio]			
254.gap	1100	58.5	1879	58.5	1879	[Bar chart showing ratio]			
255.vortex	1900	57.8	3288	57.8	3288	[Bar chart showing ratio]			
256.bzip2	1500	104	1446	104	1446	[Bar chart showing ratio]			
300.twolf	3000	137	2187	137	2186	[Bar chart showing ratio]			

Hardware

CPU: Intel Xeon processor E5320 (1.86 GHz, 2x4 MB L2 shared, 1066 MHz bus)
CPU MHz: 1860
FPU: Integrated
CPU(s) enabled: 4 cores, 1 chip, 4 cores/chip
CPU(s) orderable: 1,2 chips
Parallel: No
Primary Cache: 32 KB I + 32 KB D on chip per core
Secondary Cache: 8 MB I+D on chip per chip (4 MB shared per 2 cores)
L3 Cache: N/A
Other Cache: N/A
Memory: 16 GB (8x2 GB PC2-5300F CL5)
Disk Subsystem: 1x72 GB 10 K SAS
Other Hardware:

Software

Operating System: Windows Server 2003 Enterprise X64 Edition SP1
Compiler: Intel C++ Compiler for 32-bit applications, (Version 9.1 Build 20061103Z) Microsoft Visual Studio .NET 2003 v7.1.3088 (for libraries) MicroQuill Smartheap Library 8.0
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)

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256.bzip2:    basepeak=1
300.twolf:    -fast                +FDO                shlw32M.lib
BIOS Configuration Notes
  Power Regulator set to Static High Performance Mode
  Adjacent Sector Prefetch disabled
Other Configuration Notes
  The start /b /wait /affinity command is used to bind CPU(s) to processes.
```