



CINT2000 Result

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Hewlett-Packard Company
ProLiant ML570 G3 (3.0GHz, Intel dual-core Xeon)

SPECint2000 = **1360**
SPECint_base2000 = **1353**

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	
164.gzip	1400	141	990	141	990	
175.vpr	1400	159	880	155	905	
176.gcc	1100	66.6	1651	66.6	1651	
181.mcf	1800	137	1309	137	1310	
186.crafty	1000	91.2	1096	91.3	1095	
197.parser	1800	153	1179	152	1183	
252.eon	1300	69.5	1869	68.9	1886	
253.perlbmk	1800	105	1712	104	1725	
254.gap	1100	75.8	1451	74.6	1474	
255.vortex	1900	84.8	2240	84.8	2240	
256.bzip2	1500	154	975	154	974	
300.twolf	3000	197	1524	197	1524	

Hardware

CPU: Intel dual-core Xeon (3.0GHz, 2x2MB L2, 667MHz 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: 16x1024MB PC2-3200
Disk Subsystem: 1x36.4GB 15K Ultra320 SCSI
Other Hardware:

Software

Operating System: Windows Server 2003 Enterprise SP1
Compiler: Intel C++ Compiler for 32-bit applications, (Version 9.0 Build 20050624Z)
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)

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256.bzip2: -fast -Oa -Qunroll1 +FDO ONESTEP=yes shlw32M.lib
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.
```