



CINT2000 Result

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Hewlett-Packard Company

ProLiant ML370 G5 (2.66 GHz, Intel Xeon processor X5355)

SPECint_rate2000 = 105

SPECint_rate_base2000 = 104

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

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.zip	4	88.0	73.8	4	88.3	73.5
175.vpr	4	85.5	75.9	4	84.0	77.4
176.gcc	4	52.0	98.1	4	52.0	98.1
181.mcf	4	100	83.4	4	98.7	84.7
186.crafty	4	41.2	113	4	41.3	112
197.parser	4	93.5	89.3	4	93.1	89.7
252.eon	4	37.8	160	4	37.6	160
253.perlbnk	4	59.0	142	4	58.4	143
254.gap	4	62.4	81.7	4	62.1	82.2
255.vortex	4	50.4	175	4	50.1	176
256.bzip2	4	89.8	77.5	4	89.8	77.5
300.twolf	4	96.9	144	4	96.9	144

Hardware

CPU: Intel Xeon processor X5355 (2.66 GHz, 2x4 MB L2 shared, 1333 MHz bus)
CPU MHz: 2666
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: 2x72 GB 10 K SAS
Other Hardware:

Software

Operating System: Windows Server 2003 Enterprise X64 Edition (x86_64) 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.perlbnk: -DSPEC_CPU2000_NTOS -DPERL DLL /MT

254.gap: -DSYS_HAS_CALLOC_PROTO -DSYS_HAS_MALLOC_PROTO

Peak tuning:

164.zip: -fast +FDO ONESTEP=yes

175.vpr: -fast +FDO ONESTEP=yes

176.gcc: basepeak=1

181.mcf: -fast +FDO

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)

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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.
```