



CINT2000 Result

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Hewlett-Packard Company
ProLiant ML350 G5 (3.73GHz, Intel Xeon Processor 5080)

SPECint_rate2000 = 42.9
SPECint_rate_base2000 = 42.6

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

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	4	174	37.4	4	174	37.4
175.vpr	4	249	26.1	4	239	27.2
176.gcc	4	87.2	58.5	4	87.2	58.5
181.mcf	4	304	27.5	4	306	27.3
186.crafty	4	147	31.5	4	147	31.6
197.parser	4	200	41.8	4	198	42.2
252.eon	4	94.9	63.6	4	95.3	63.3
253.perlbnk	4	176	47.5	4	175	47.8
254.gap	4	107	47.7	4	105	48.7
255.vortex	4	130	67.7	4	130	67.7
256.bzip2	4	206	33.8	4	206	33.8
300.twolf	4	263	52.9	4	262	53.1

Hardware

CPU: Intel Xeon Processor 5080 (3.73GHz, 2x2MB L2, 1066MHz bus)
CPU MHz: 3730
FPU: Integrated
CPU(s) enabled: 2 cores, 1 chip, 2 cores/chip (Hyper-Threading Technology enabled)
CPU(s) orderable: 1,2 chips
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: 8x2048MB PC2-5300F dual-rank
Disk Subsystem: 1x146GB 15K 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.perlbnk: -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.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)

256.bzip2: basepeak=1
300.twolf: -fast +FDO shlw32M.lib
BIOS Configuration Notes
Hyper-Threading Technology enabled