



CINT2000 Result

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Hewlett-Packard Company
ProLiant ML150 G3 (3.73 GHz, Intel Xeon processor 5080)

SPECint_rate2000 = **42.5**
SPECint_rate_base2000 = **42.1**

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

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	4	175	37.1	4	175	37.2
175.vpr	4	254	25.6	4	242	26.9
176.gcc	4	88.9	57.4	4	88.9	57.4
181.mcf	4	289	28.9	4	288	29.0
186.crafty	4	147	31.5	4	145	32.1
197.parser	4	204	41.0	4	202	41.3
252.eon	4	95.2	63.3	4	95.4	63.2
253.perlbnk	4	178	46.9	4	177	47.2
254.gap	4	113	45.0	4	109	47.0
255.vortex	4	132	66.8	4	132	67.0
256.bzip2	4	214	32.5	4	214	32.5
300.twolf	4	264	52.7	4	267	52.2

Hardware

CPU: Intel Xeon processor 5080 (3.73 GHz, 2x2 MB L2, 1066 MHz 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: 12 K micro-ops I + 16 KB D on chip per core
 Secondary Cache: 2 MB I+D on chip per core
 L3 Cache: N/A
 Other Cache: N/A
 Memory: 8 GB (4x2048 MB PC2-5300F)
 Disk Subsystem: 1x36 GB 15 K 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 -DPERL DLL /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
Adjacent Sector Prefetch disabled