



CINT2000 Result

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

SPECint_rate2000 = **105**
SPECint_rate_base2000 = **104**

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

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	8	149	87.5	8	148	87.6
175.vpr	8	206	63.2	8	199	65.4
176.gcc	8	76.1	134	8	76.1	134
181.mcf	8	357	46.8	8	355	47.0
186.crafty	8	90.7	102	8	90.8	102
197.parser	8	160	105	8	159	105
252.eon	8	69.5	174	8	68.9	175
253.perlbnk	8	109	154	8	108	154
254.gap	8	130	78.8	8	130	78.4
255.vortex	8	94.8	186	8	95.2	185
256.bzip2	8	178	78.4	8	176	79.1
300.twolf	8	196	142	8	196	142

Hardware

CPU: Intel dual-core Xeon (3.0GHz, 2x2MB L2, 667MHz bus)
 CPU MHz: 3000
 FPU: Integrated
 CPU(s) enabled: 8 cores, 4 chips, 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.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: -fast -Oa -Qunroll11 +FDO ONESTEP=yes shlw32M.lib
300.twolf: -fast +FDO shlw32M.lib
BIOS Configuration Notes
Hyper-Threading Technology disabled