



CINT2000 Result

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Hewlett-Packard Company
ProLiant ML570 G3 (3.66GHz, Intel Xeon MP)

SPECint_rate2000 = 16.1
SPECint_rate_base2000 = 16.1

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

| Benchmark | Base Copies | Base Runtime | Base Ratio | Copies | Runtime | Ratio |
|-------------|-------------|--------------|------------|--------|---------|-------|
| 164.gzip | 1 | 116 | 14.0 | 1 | 116 | 14.0 |
| 175.vpr | 1 | 185 | 8.76 | 1 | 178 | 9.10 |
| 176.gcc | 1 | 65.0 | 19.6 | 1 | 65.0 | 19.6 |
| 181.mcf | 1 | 208 | 10.1 | 1 | 208 | 10.1 |
| 186.crafty | 1 | 75.5 | 15.4 | 1 | 75.5 | 15.4 |
| 197.parser | 1 | 146 | 14.3 | 1 | 146 | 14.3 |
| 252.eon | 1 | 57.5 | 26.2 | 1 | 57.0 | 26.4 |
| 253.perlbnk | 1 | 91.9 | 22.7 | 1 | 91.4 | 22.9 |
| 254.gap | 1 | 66.3 | 19.3 | 1 | 66.0 | 19.3 |
| 255.vortex | 1 | 87.4 | 25.2 | 1 | 87.7 | 25.1 |
| 256.bzip2 | 1 | 180 | 9.65 | 1 | 180 | 9.66 |
| 300.twolf | 1 | 176 | 19.8 | 1 | 175 | 19.9 |

Hardware

CPU: Intel Xeon MP (3.66GHz, 1MB L2, 667MHz bus)
CPU MHz: 3660
FPU: Integrated
CPU(s) enabled: 1 core, 1 chip, 1 core/chip (Hyper-Threading Technology disabled)
CPU(s) orderable: 1,2,4
Parallel: No
Primary Cache: 12K micro-ops I + 16KBD on chip
Secondary Cache: 1024KB(I+D) on chip
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 8.1 Build 20050524Z)
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 -DPERLDDL /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)

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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
```