CINT2000 Result

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Hewlett-Packard Company

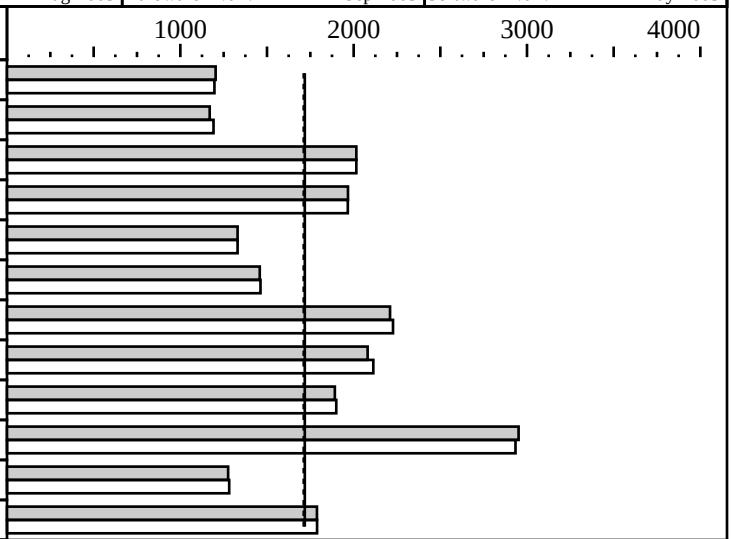
ProLiant ML350 G4p (3.6GHz, Intel Xeon)

SPECint2000 = 1718

SPECint_base2000 = 1712

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
164.gzip	1400	116	1204	117	1197
175.vpr	1400	120	1169	118	1191
176.gcc	1100	54.6	2015	54.6	2015
181.mcf	1800	91.5	1967	91.5	1966
186.crafty	1000	75.2	1330	75.2	1330
197.parser	1800	123	1458	123	1462
252.eon	1300	58.8	2210	58.4	2227
253.perlbmk	1800	86.5	2081	85.2	2113
254.gap	1100	58.2	1891	57.9	1900
255.vortex	1900	64.4	2951	64.8	2934
256.bzip2	1500	118	1276	117	1282
300.twolf	3000	168	1788	168	1789



Hardware

CPU:	Intel Xeon (3.6GHz, 2MB L2, 800MHz bus)
CPU MHz:	3600
FPU:	Integrated
CPU(s) enabled:	1 core, 1 chip, 1 core/chip (Hyper-Threading Technology disabled)
CPU(s) orderable:	1,2
Parallel:	No
Primary Cache:	12K micro-ops I + 16KBD on chip
Secondary Cache:	2048KB(I+D) on chip
L3 Cache:	N/A
Other Cache:	N/A
Memory:	4x2048MB PC2-3200
Disk Subsystem:	1x80.0GB 7.2k Serial ATA
Other Hardware:	

Software

Operating System:	Windows Server 2003 Enterprise Edition 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.perlbmk: -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.perlbmk: -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 -Qunroll1 +FDO  ONESTEP=yes shlw32M.lib
    300.twolf:   -fast               +FDO              shlw32M.lib
  BIOS Configuration Notes
    Hyper-Threading Technology disabled
```