CINT2000 Result

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Hewlett-Packard Company

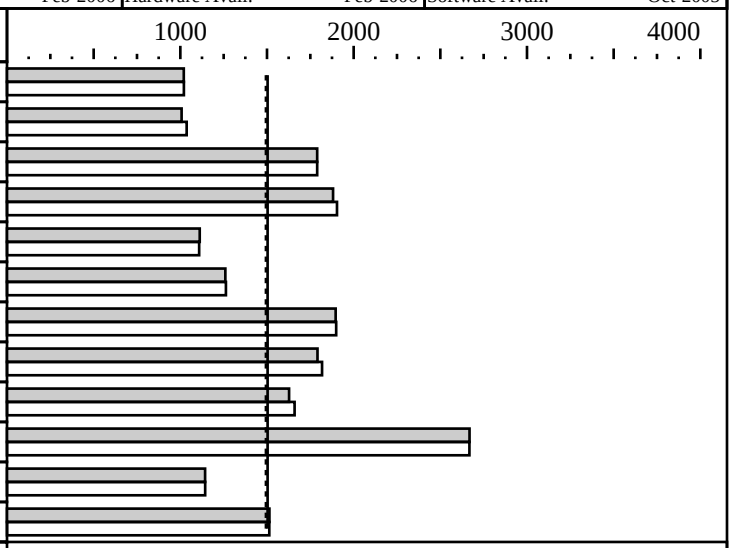
ProLiant ML110 G3 (3.0GHz, Intel Pentium D Processor 930)

SPECint2000 = 1503

SPECint_base2000 = 1494

SPEC license #: 3 | Tested by: Hewlett-Packard Company | Test date: Feb-2006 | Hardware Avail: Feb-2006 | Software Avail: Oct-2005

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
164.gzip	1400	137	1020	137	1020
175.vpr	1400	139	1007	135	1037
176.gcc	1100	61.5	1790	61.5	1790
181.mcf	1800	95.7	1881	94.5	1904
186.crafty	1000	89.9	1112	90.2	1109
197.parser	1800	143	1260	143	1263
252.eon	1300	68.6	1896	68.5	1899
253.perlbmk	1800	100	1791	99.0	1818
254.gap	1100	67.6	1627	66.3	1659
255.vortex	1900	71.2	2668	71.2	2668
256.bzip2	1500	131	1143	131	1143
300.twolf	3000	198	1514	198	1513



Hardware

CPU:	Intel Pentium D Processor 930 (3.0GHz, 2x2MB L2, 800MHz bus)
CPU MHz:	3000
FPU:	Integrated
CPU(s) enabled:	1 core, 1 chip, 2 cores/chip
CPU(s) orderable:	1
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:	4x512MB PC2-4200
Disk Subsystem:	1x80.0GB SATA
Other Hardware:	

Software

Operating System:	Windows Server 2003 Enterprise SP1
Compiler:	Intel C++ Compiler for 32-bit applications, (Version 9.0 Build 20051020Z) 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
  Other Configuration Notes
    /NUMPROC=1 flag was added to boot.ini to invoke the uniprocessor environment.
```