CINT2000 Result

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Hewlett-Packard Company

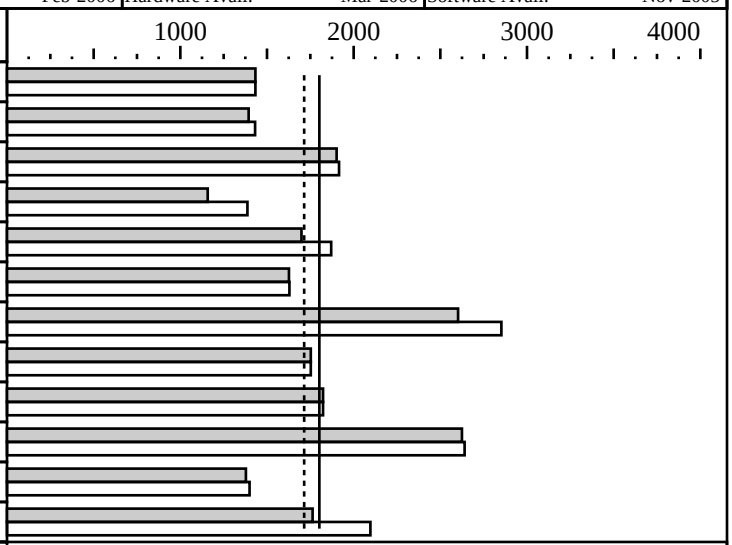
ProLiant DL145 G2 (AMD Opteron (TM) 285)

SPECint2000 = 1802

SPECint_base2000 = 1714

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
164.gzip	1400	97.7	1433	97.7	1433
175.vpr	1400	100	1394	97.8	1431
176.gcc	1100	57.8	1902	57.4	1916
181.mcf	1800	155	1158	130	1387
186.crafty	1000	58.9	1699	53.5	1870
197.parser	1800	111	1627	110	1629
252.eon	1300	50.0	2602	45.6	2852
253.perlbmk	1800	103	1753	103	1753
254.gap	1100	60.3	1823	60.3	1823
255.vortex	1900	72.4	2625	72.0	2640
256.bzip2	1500	109	1378	107	1399
300.twolf	3000	170	1763	143	2097



Hardware

CPU:	AMD Opteron (TM) 285
CPU MHz:	2600
FPU:	Integrated
CPU(s) enabled:	1 core, 1 chip, 2 cores/chip
CPU(s) orderable:	1,2
Parallel:	No
Primary Cache:	64KBI + 64KBD (on chip) per core
Secondary Cache:	1024KB(I+D) (on chip) per core
L3 Cache:	N/A
Other Cache:	N/A
Memory:	4x2048MB PC3200 CL3.0
Disk Subsystem:	1x36.4GB 15K Ultra320 SCSI
Other Hardware:	

Software

Operating System:	Windows Server 2003 Enterprise SP1
Compiler:	Intel C++ Compiler 8.0 Build 20040318Z 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 -arch:SSE2 -Oi- +FDO ONESTEP=yes
Base tuning for C++ programs: -fast -GX -GR +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:       basepeak=yes
  175.vpr:        -fast -arch:SSE2 -Qoption,c,-ip_ninl_max_stats=2000
                  -Qoption,c,-ip_ninl_max_total_stats=4500 +FDO ONESTEP=yes
  176.gcc:        -fast -arch:SSE2 -Oi- -Qunroll3 +FDO
  181.mcf:        -fast -QaxN +FDO ONESTEP=yes
  186.crafty:     -fast -arch:SSE2 +FDO ONESTEP=yes
  197.parser:     -arch:SSE2 -Oi- -Qipo +FDO ONESTEP=yes
  252.eon:        -fast -arch:SSE2 -Qansi_alias -Qoption,c,-ip_ninl_max_stats=2000
                  -Qoption,c,-ip_ninl_max_total_stats=4500 +FDO ONESTEP=yes
  253.perlbmk:    basepeak=yes
  254.gap:        basepeak=yes
```

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Notes/Tuning Information (Continued)

```
    255.vortex:     -fast -arch:SSE2 -Oi- -Qoption,c,-ip_ninl_max_stats=2000
                   -Qoption,c,-ip_ninl_max_total_stats=4500 +FDO shlw32M.lib ONESTEP=yes
    256.bzip2:      -fast -Qunroll2
    300.twolf:      -fast -arch:SSE2 -Qansi_alias +FDO shlw32M.lib ONESTEP=yes
  BIOS Configuration Notes
    Node Interleaving Disabled
  Other Configuration Notes
    /NUMPROC=1 flag was added to boot.ini to invoke uniprocessor environment.
```