CINT2000 Result

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Hewlett-Packard Company

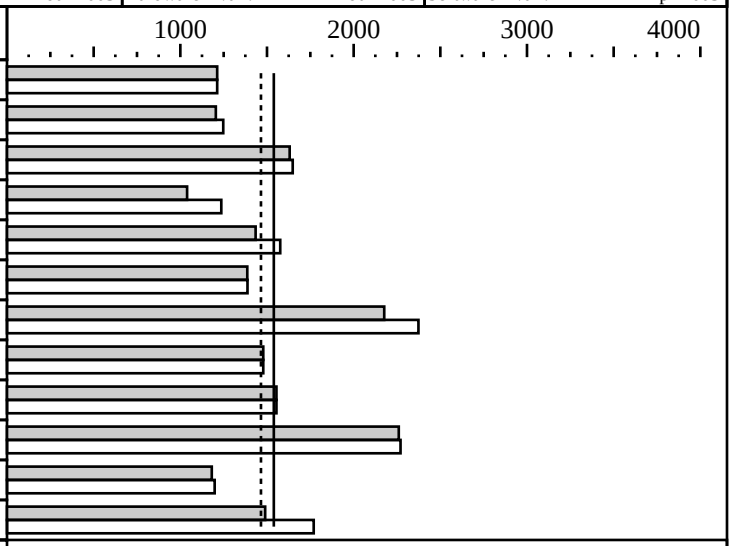
ProLiant DL385 (AMD Opteron (TM) 275)

SPECint2000 = 1539

SPECint_base2000 = 1465

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
164.gzip	1400	115	1213	115	1213
175.vpr	1400	116	1205	112	1248
176.gcc	1100	67.5	1631	66.7	1648
181.mcf	1800	173	1039	146	1236
186.crafty	1000	69.7	1434	63.4	1576
197.parser	1800	130	1386	130	1387
252.eon	1300	59.7	2176	54.8	2374
253.perlbmk	1800	122	1478	122	1478
254.gap	1100	70.8	1554	70.8	1554
255.vortex	1900	84.1	2260	83.7	2270
256.bzip2	1500	127	1181	125	1198
300.twolf	3000	201	1489	170	1769



Hardware

CPU:	AMD Opteron (TM) 275
CPU MHz:	2200
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
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 -arch:SSE2 -GX -GR ONESTEP=yes
Portability flags:
  176.gcc: -Dalloca=_alloca /F10000000
  186.crafy: -DNT_i386
  253.perlbmk: -DSPEC_CPU2000_NTOS -DPERLDLL /MT
  254.gap: -DSYS_HAS_CALLOC_PROTO -DSYS_HAS_MALLOC_PROTO
Peak tuning:
  164.gzip:       -fast -arch:SSE2 +FDO shlw32M.lib ONESTEP=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:       basepeak=yes
  181.mcf:       -fast -QaxN +FDO ONESTEP=yes
  186.crafty:     -fast -QxW + 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:    -Qipo -arch:SSE2 +FDO shlw32M.lib ONESTEP=yes
  254.gap:      -fast -arch:SSE2 -Oi- -Oa -Qoption,c,-ip_ninl_max_stats=500
```

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Notes/Tuning Information (Continued)

```
                  -Qoption,c,-ip_ninl_max_total_stats=3000 +FDO ONESTEP=yes
    255.vortex:    -fast -arch:SSE -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:     -QxW -Qipo -O3 +FDO shlw32M.lib ONESTEP=yes
  Other Configuration Notes
    /NUMPROC=1 flag was added to boot.ini to invoke uniprocessor environment.
  BIOS Configuration Notes
    Node Interleaving Disabled
```