CINT2000 Result

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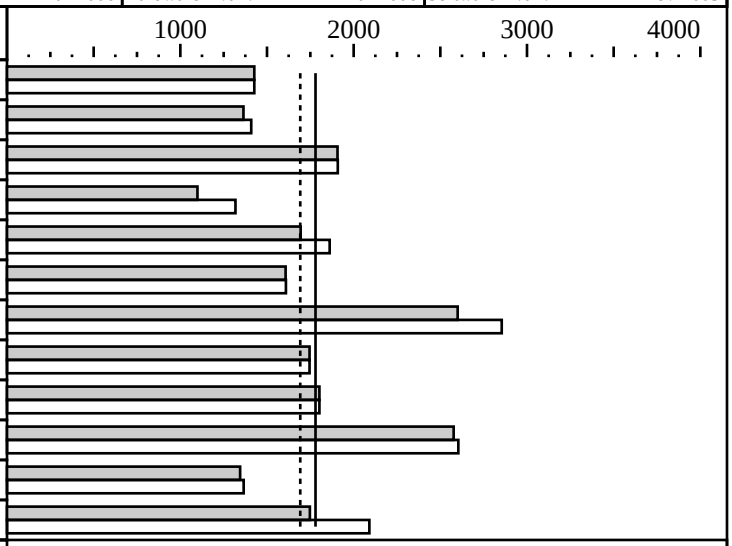
Hewlett-Packard Company
ProLiant DL385 (AMD Opteron (TM) 285)

SPECint2000 = 1780

SPECint_base2000 = 1692

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
164.gzip	1400	98.1	1427	98.1	1427
175.vpr	1400	103	1364	99.4	1409
176.gcc	1100	57.7	1907	57.6	1908
181.mcf	1800	164	1099	137	1318
186.crafty	1000	59.0	1694	53.7	1862
197.parser	1800	112	1607	112	1609
252.eon	1300	50.0	2600	45.5	2854
253.perlbmk	1800	103	1745	103	1745
254.gap	1100	61.0	1802	61.0	1802
255.vortex	1900	73.7	2577	73.0	2604
256.bzip2	1500	112	1345	110	1365
300.twolf	3000	172	1747	144	2091



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:	1x36GB 10K SAS
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.
```