CINT2000 Result

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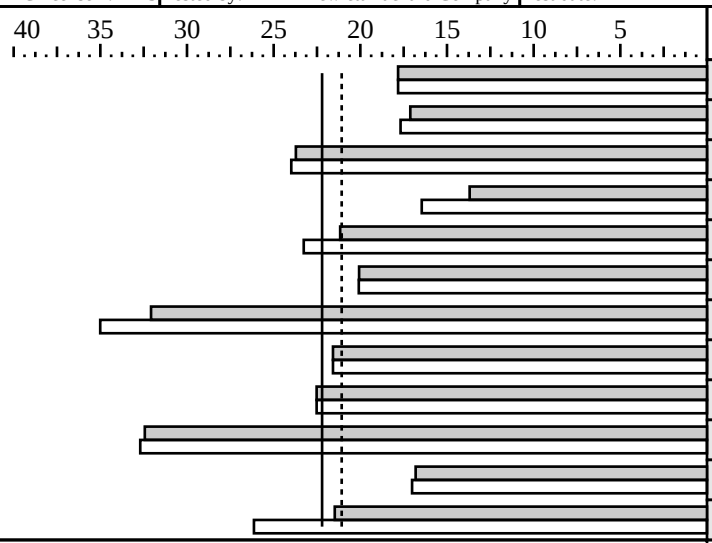
Hewlett-Packard Company

ProLiant DL385 (AMD Opteron (TM) 254)

SPECint_rate2000 = 22.2

SPECint_rate_base2000 = 21.1

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



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	1	91.1	17.8	1	91.1	17.8
175.vpr	1	94.9	17.1	1	91.9	17.7
176.gcc	1	53.8	23.7	1	53.2	24.0
181.mcf	1	152	13.7	1	127	16.5
186.crafty	1	54.8	21.2	1	49.9	23.3
197.parser	1	104	20.1	1	104	20.1
252.eon	1	47.0	32.1	1	43.1	35.0
253.perlbmk	1	96.8	21.6	1	96.8	21.6
254.gap	1	56.7	22.5	1	56.7	22.5
255.vortex	1	68.0	32.4	1	67.4	32.7
256.bzip2	1	104	16.8	1	102	17.0
300.twolf	1	162	21.5	1	133	26.1

Hardware

CPU:	AMD Opteron (TM) 254
CPU MHz:	2800
FPU:	Integrated
CPU(s) enabled:	1 core, 1 chip, 1 core/chip
CPU(s) orderable:	1,2
Parallel:	No
Primary Cache:	64KBI + 64KBD on chip
Secondary Cache:	1024KB(I+D) on chip
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 20031211Z 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.
```