CINT2000 Result

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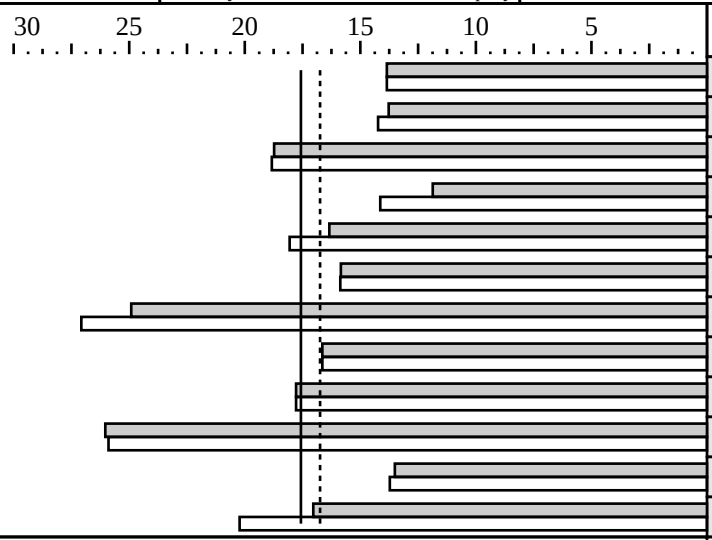
Hewlett-Packard Company
ProLiant BL25p (AMD Opteron (TM) 275)

SPECint_rate2000 = 17.6

SPECint_rate_base2000 = 16.7

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



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	1	117	13.9	1	117	13.9
175.vpr	1	118	13.8	1	114	14.2
176.gcc	1	68.1	18.7	1	67.8	18.8
181.mcf	1	176	11.9	1	148	14.1
186.crafty	1	71.0	16.3	1	64.2	18.1
197.parser	1	132	15.8	1	132	15.9
252.eon	1	60.5	24.9	1	55.7	27.1
253.perlbmk	1	125	16.6	1	125	16.6
254.gap	1	71.8	17.8	1	71.8	17.8
255.vortex	1	84.7	26.0	1	85.1	25.9
256.bzip2	1	129	13.5	1	127	13.7
300.twolf	1	204	17.0	1	172	20.2

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
```