CINT2000 Result

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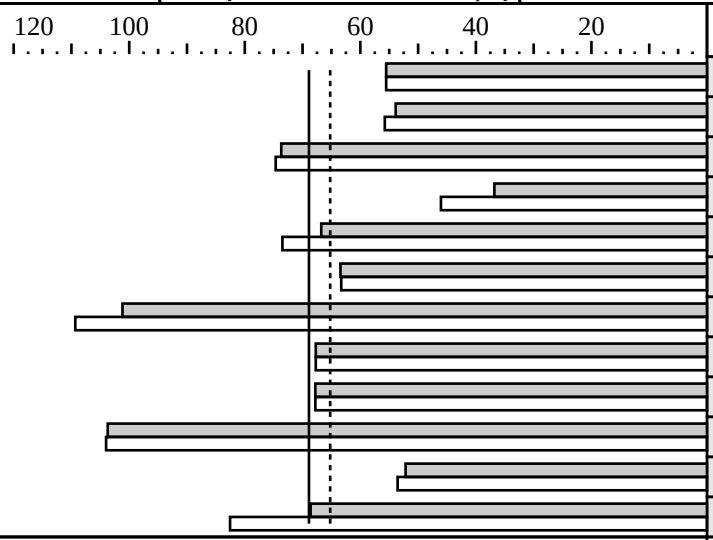
Hewlett-Packard Company
ProLiant DL385 (AMD Opteron (TM) 275)

SPECint_rate2000 = 68.9

SPECint_rate_base2000 = 65.2

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



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	4	117	55.5	4	117	55.5
175.vpr	4	121	53.9	4	116	55.8
176.gcc	4	69.3	73.7	4	68.4	74.6
181.mcf	4	227	36.8	4	181	46.0
186.crafty	4	69.5	66.8	4	63.1	73.5
197.parser	4	132	63.4	4	132	63.3
252.eon	4	59.6	101	4	55.2	109
253.perlbmk	4	123	67.7	4	123	67.7
254.gap	4	75.3	67.8	4	75.3	67.8
255.vortex	4	85.0	104	4	84.8	104
256.bzip2	4	133	52.2	4	130	53.5
300.twolf	4	203	68.6	4	169	82.6

Hardware

CPU:	AMD Opteron (TM) 275
CPU MHz:	2200
FPU:	Integrated
CPU(s) enabled:	4 cores, 2 chips, 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:	8x2048MB 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
    BIOS Configuration Notes
      Node Interleaving Disabled
```