CINT2000 Result

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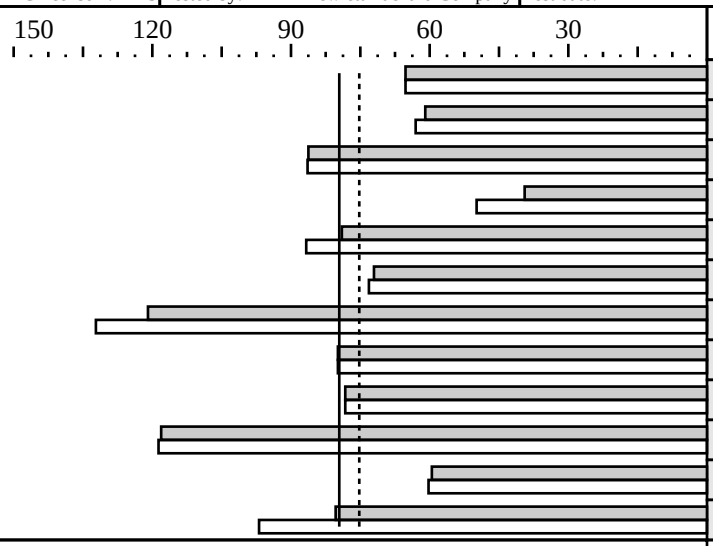
Hewlett-Packard Company

ProLiant DL585 (AMD Opteron (TM) 885)

SPECint_rate2000 = 79.6

SPECint_rate_base2000 = 75.2

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



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	4	99.6	65.2	4	99.6	65.2
175.vpr	4	107	61.0	4	103	63.0
176.gcc	4	59.2	86.2	4	59.1	86.4
181.mcf	4	212	39.5	4	168	49.8
186.crafty	4	58.7	79.0	4	53.5	86.7
197.parser	4	116	72.0	4	114	73.1
252.eon	4	49.9	121	4	45.6	132
253.perlbmk	4	105	79.9	4	105	79.9
254.gap	4	65.2	78.3	4	65.2	78.3
255.vortex	4	74.7	118	4	74.3	119
256.bzip2	4	117	59.5	4	116	60.2
300.twolf	4	173	80.3	4	144	96.9

Hardware

CPU:	AMD Opteron (TM) 885
CPU MHz:	2600
FPU:	Integrated
CPU(s) enabled:	4 cores, 2 chips, 2 cores/chip
CPU(s) orderable:	2,4
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:	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 -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 ONESTEP=yes shlw32M.lib
    256.bzip2:   -fast -Qunroll2
    300.twolf:   -fast -arch:SSE2 -Qansi_alias           +FDO ONESTEP=yes shlw32M.lib
  BIOS Configuration Notes
    Node Interleaving Disabled
  Other Configuration Notes
    The start /b /wait /affinity command is used to bind CPU(s) to processes.
```