CINT2000 Result

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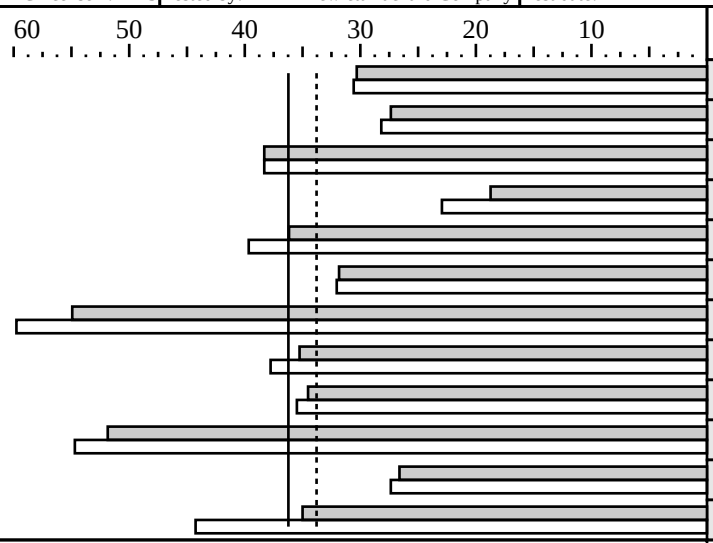
Hewlett-Packard Company
ProLiant DL585 (AMD Opteron (TM) 850)

SPECint_rate2000 = 36.2

SPECint_rate_base2000 = 33.8

SPEC license #: 3 | Tested by: Hewlett-Packard Company | Test date: Jun-2004 | Hardware Avail: Aug-2004 | Software Avail: Sep-2004



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	2	107	30.3	2	106	30.6
175.vpr	2	119	27.4	2	115	28.2
176.gcc	2	66.6	38.3	2	66.6	38.3
181.mcf	2	223	18.7	2	182	22.9
186.crafty	2	64.1	36.2	2	58.5	39.7
197.parser	2	131	31.8	2	130	32.0
252.eon	2	54.9	54.9	2	50.5	59.8
253.perlbmk	2	118	35.3	2	111	37.8
254.gap	2	73.9	34.5	2	71.9	35.5
255.vortex	2	85.0	51.9	2	80.6	54.7
256.bzip2	2	131	26.6	2	127	27.4
300.twolf	2	199	35.0	2	157	44.3

Hardware

CPU:	AMD Opteron (TM) 850
CPU MHz:	2400
FPU:	Integrated
CPU(s) enabled:	2 cores, 2 chips, 1 core/chip
CPU(s) orderable:	2,4
Parallel:	No
Primary Cache:	64KBI + 64KBD on chip
Secondary Cache:	1024KB(I+D) on chip
L3 Cache:	N/A
Other Cache:	N/A
Memory:	8x2048MB PC2700 CL2.5
Disk Subsystem:	1x36.4GB 15K Ultra320 SCSI
Other Hardware:	

Software

Operating System:	Windows Server 2003 Enterprise (Build 3790)
Compiler:	Intel C++ Compiler 8.0 Build 20040415Z 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.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:    -fast -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 Enabled
```