CINT2000 Result

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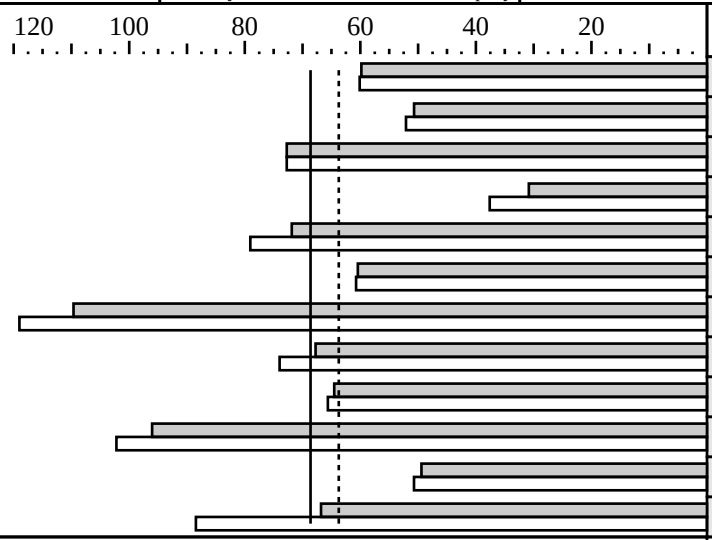
Hewlett-Packard Company
ProLiant DL585 (AMD Opteron (TM) 850)

SPECint_rate2000 = 68.6

SPECint_rate_base2000 = 63.7

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



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	4	109	59.8	4	108	60.1
175.vpr	4	128	50.7	4	125	52.1
176.gcc	4	70.2	72.7	4	70.2	72.7
181.mcf	4	271	30.8	4	222	37.6
186.crafty	4	64.6	71.9	4	58.7	79.0
197.parser	4	138	60.4	4	138	60.7
252.eon	4	55.0	110	4	50.7	119
253.perlbmk	4	123	67.7	4	113	74.0
254.gap	4	79.1	64.5	4	77.8	65.6
255.vortex	4	91.8	96.0	4	86.3	102
256.bzip2	4	141	49.4	4	137	50.7
300.twolf	4	208	66.8	4	157	88.5

Hardware

CPU:	AMD Opteron (TM) 850
CPU MHz:	2400
FPU:	Integrated
CPU(s) enabled:	4 cores, 4 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:	16x2048MB 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
```