CINT2000 Result

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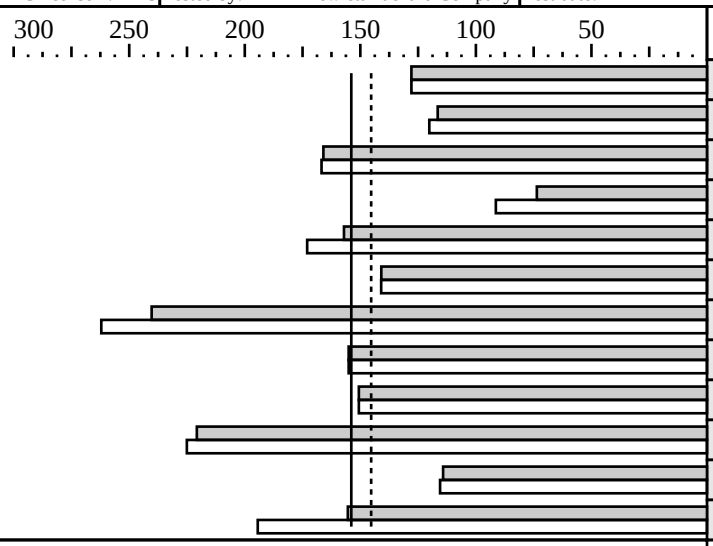
Hewlett-Packard Company
ProLiant DL585 (AMD Opteron (TM) 885)

SPECint_rate2000 = 154

SPECint_rate_base2000 = 145

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	8	102	128	8	102	128
175.vpr	8	112	117	8	108	120
176.gcc	8	61.5	166	8	61.2	167
181.mcf	8	227	73.6	8	183	91.4
186.crafty	8	59.1	157	8	53.6	173
197.parser	8	119	141	8	118	141
252.eon	8	50.2	240	8	46.0	262
253.perlbmk	8	108	155	8	108	155
254.gap	8	67.8	151	8	67.8	151
255.vortex	8	79.9	221	8	78.3	225
256.bzip2	8	122	114	8	121	115
300.twolf	8	179	155	8	143	194

Hardware

CPU:	AMD Opteron (TM) 885
CPU MHz:	2600
FPU:	Integrated
CPU(s) enabled:	8 cores, 4 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:	16x2048MB 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.
```