CINT2000 Result

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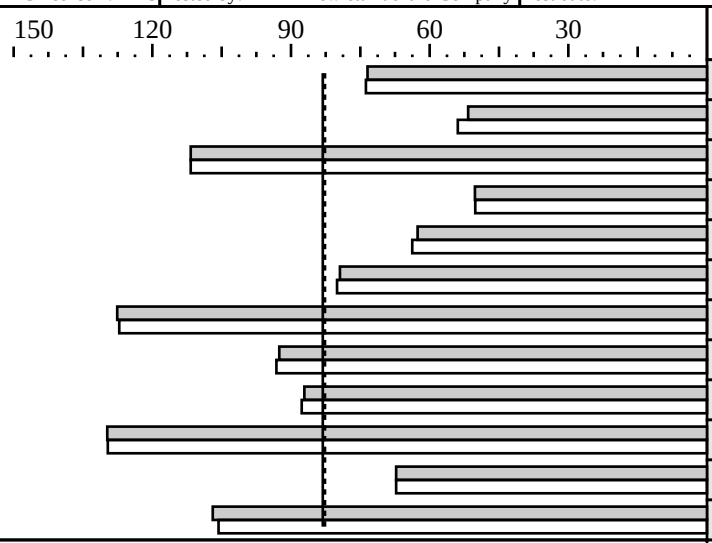
Hewlett-Packard Company

ProLiant DL140 G3 (3.73 GHz, Intel Xeon processor 5080)

SPECint_rate2000 = 83.1

SPECint_rate_base2000 = 82.6

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



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	8	177	73.4	8	176	73.8
175.vpr	8	251	51.7	8	241	53.9
176.gcc	8	91.4	112	8	91.4	112
181.mcf	8	333	50.2	8	333	50.1
186.crafty	8	148	62.6	8	146	63.8
197.parser	8	210	79.4	8	209	80.0
252.eon	8	94.5	128	8	94.9	127
253.perlbmk	8	181	92.5	8	179	93.2
254.gap	8	117	87.1	8	116	87.7
255.vortex	8	136	130	8	136	130
256.bzip2	8	207	67.3	8	207	67.3
300.twolf	8	260	107	8	263	106

Hardware

CPU:	Intel Xeon processor 5080 (3.73GHz, 2x2MB L2, 1066 MHz system bus)
CPU MHz:	3730
FPU:	Integrated
CPU(s) enabled:	4 cores, 2 chips, 2 cores/chip (Hyper-Threading Technology enabled)
CPU(s) orderable:	1,2 chips
Parallel:	No
Primary Cache:	12 K micro-ops I + 16 KB D on chip per core
Secondary Cache:	2 MB I+D on chip per core
L3 Cache:	N/A
Other Cache:	N/A
Memory:	8 GB (8 x 1 GB PC2-5300F)
Disk Subsystem:	2 x 36 GB 15 K SAS
Other Hardware:	

Software

Operating System:	Windows Server 2003 Enterprise SP1
Compiler:	Intel C++ Compiler for 32-bit applications, (version 9.1 Build 20060816Z) Microsoft Visual Studio .NET 7.0.9466 (for libraries) MicroQuill Smartheap Library 8.0
File System:	NTFS
System State:	Default

Notes/Tuning Information

```
+FDO: PASS1=-Qprof_gen  PASS2=-Qprof_use
Base tuning for C programs:   -fast         +FDO  ONESTEP=yes shlw32M.lib
Base tuning for C++ programs: -fast -Qcxx_features +FDO
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:     -fast               +FDO  ONESTEP=yes
  175.vpr:      -fast               +FDO  ONESTEP=yes
  176.gcc:      basepeak=1
  181.mcf:      -fast               +FDO  ONESTEP=yes shlw32M.lib
  186.crafty:   -fast -Oa           +FDO  ONESTEP=yes shlw32M.lib
  197.parser:   -fast               +FDO  ONESTEP=yes
  252.eon:      -fast               +FDO
  253.perlbmk:  -fast -Oa           +FDO  ONESTEP=yes shlw32M.lib
  254.gap:      -fast               +FDO  ONESTEP=yes
  255.vortex:   -fast               +FDO  ONESTEP=yes shlw32M.lib
  256.bzip2:    basepeak=1
```

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Notes/Tuning Information (Continued)

```
  300.twolf:    -fast                +FDO                shlw32M.lib
BIOS Configuration Notes
  Adjacent Cache Line Prefetch Disabled
  Hyper-Threading Technology enabled
```