CINT2000 Result

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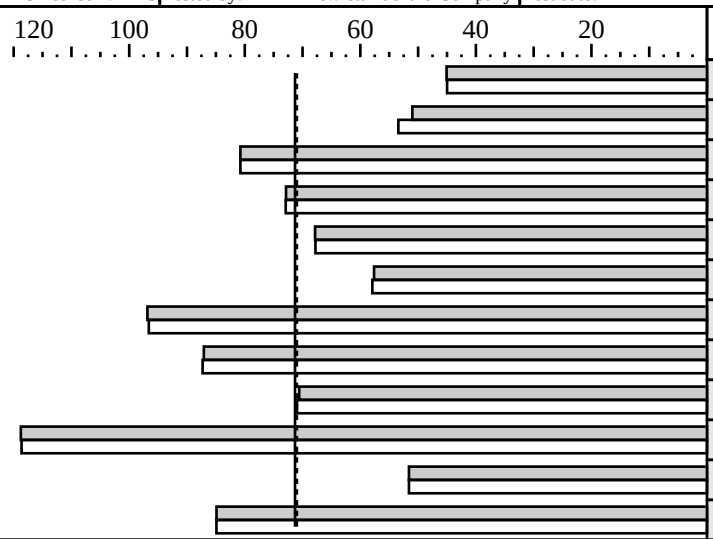
Hewlett-Packard Company

ProLiant DL360 G5 (1.60 GHz, Intel Xeon processor 5110)

SPECint_rate2000 = 71.3

SPECint_rate_base2000 = 71.0

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



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	4	144	45.1	4	144	45.0
175.vpr	4	127	51.0	4	122	53.4
176.gcc	4	63.2	80.8	4	63.2	80.8
181.mcf	4	115	72.9	4	115	72.9
186.crafty	4	68.4	67.8	4	68.5	67.8
197.parser	4	145	57.6	4	144	57.9
252.eon	4	62.3	96.9	4	62.4	96.6
253.perlbmk	4	95.9	87.1	4	95.7	87.3
254.gap	4	72.3	70.6	4	71.9	71.0
255.vortex	4	74.2	119	4	74.3	119
256.bzip2	4	135	51.6	4	135	51.6
300.twolf	4	164	84.9	4	164	84.9

Hardware

CPU:	Intel Xeon processor 5110 (1.60 GHz, 4 MB L2 shared, 1066 MHz bus)
CPU MHz:	1600
FPU:	Integrated
CPU(s) enabled:	4 cores, 2 chips, 2 cores/chip
CPU(s) orderable:	1,2 chips
Parallel:	No
Primary Cache:	32 KB I + 32 KB D on chip per core
Secondary Cache:	4 MB I+D on chip per chip
L3 Cache:	N/A
Other Cache:	N/A
Memory:	16 GB (8x1024 MB PC2-5300F)
Disk Subsystem:	1x36 GB 10 K SAS
Other Hardware:	

Software

Operating System:	Windows Server 2003 Enterprise SP1
Compiler:	Intel C++ Compiler for 32-bit applications, (Version 9.1 Build 20060323Z) 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         +FDO  ONESTEP=yes shlw32M.lib
Base tuning for C++ programs: -fast -Qcxx_features +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:     -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
```

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Notes/Tuning Information (Continued)

```
    256.bzip2:    basepeak=1
    300.twolf:    -fast               +FDO              shlw32M.lib
  BIOS Configuration Notes
    Power Regulator set to Static High Performance Mode
    Adjacent Sector Prefetch disabled
```