CINT2000 Result

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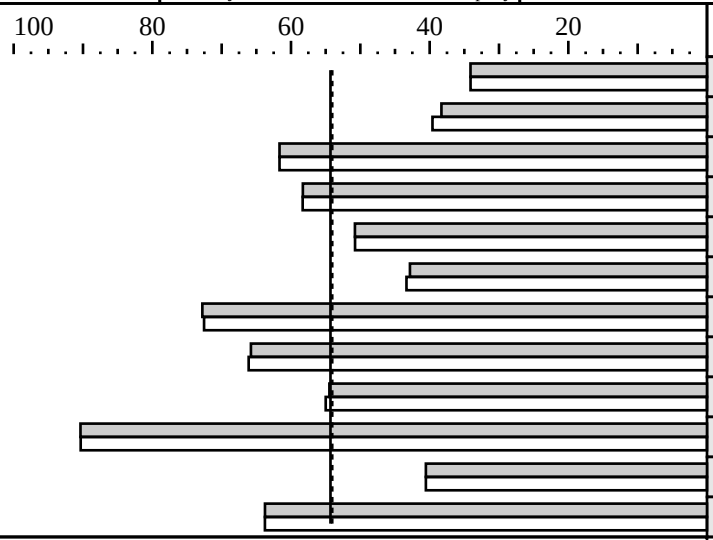
Hewlett-Packard Company

ProLiant ML310 G4 (2.4 GHz, Intel Xeon processor 3060)

SPECint_rate2000 = 54.3

SPECint_rate_base2000 = 54.1

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



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	2	95.2	34.1	2	95.2	34.1
175.vpr	2	84.8	38.3	2	82.0	39.6
176.gcc	2	41.4	61.7	2	41.4	61.7
181.mcf	2	71.6	58.3	2	71.6	58.3
186.crafty	2	45.7	50.8	2	45.7	50.8
197.parser	2	97.5	42.8	2	96.3	43.3
252.eon	2	41.4	72.8	2	41.6	72.5
253.perlbmk	2	63.5	65.8	2	63.2	66.1
254.gap	2	46.9	54.5	2	46.4	55.0
255.vortex	2	48.8	90.4	2	48.8	90.3
256.bzip2	2	85.8	40.5	2	85.8	40.5
300.twolf	2	109	63.8	2	109	63.8

Hardware

CPU:	Intel Xeon processor 3060 (2.4GHz, 4MB L2 shared, 1066 MHz bus)
CPU MHz:	2400
FPU:	Integrated
CPU(s) enabled:	2 cores, 1 chip, 2 cores/chip
CPU(s) orderable:	1 chip
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:	4 GB (2x2 GB PC2-5300E)
Disk Subsystem:	1x80 GB SATA150
Other Hardware:	

Software

Operating System:	Windows Server 2003 Enterprise SP1
Compiler:	Intel C++ Compiler for 32-bit applications, (Version 9.1 Build 20060323Z) Intel Fortran 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
  256.bzip2:    basepeak=1
```

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Notes/Tuning Information (Continued)

```
  300.twolf:    -fast                +FDO                shlw32M.lib
BIOS Configuration Notes
   Power Regulator set to Static High Performance Mode
Other Configuration Notes
  Adjacent Sector Prefetch Disabled
```