CINT2000 Result

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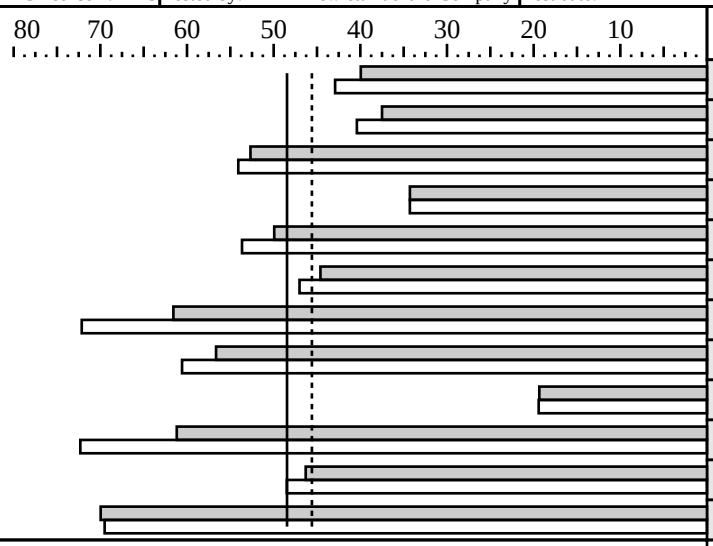
Hewlett-Packard Company
ProLiant DL740 (3.0GHz, Intel Xeon MP)

SPECint_rate2000 = 48.5

SPECint_rate_base2000 = 45.6

SPEC license #: 3 | Tested by: Hewlett-Packard Company | Test date: Mar-2004 | Hardware Avail: Feb-2004 | Software Avail: Sep-2003



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	4	163	39.9	4	151	42.9
175.vpr	4	173	37.5	4	161	40.4
176.gcc	4	96.9	52.7	4	94.4	54.1
181.mcf	4	244	34.3	4	244	34.3
186.crafty	4	92.9	49.9	4	86.5	53.7
197.parser	4	187	44.6	4	178	47.0
252.eon	4	98.0	61.6	4	83.6	72.1
253.perlbmk	4	147	56.6	4	138	60.6
254.gap	4	264	19.4	4	263	19.4
255.vortex	4	144	61.2	4	122	72.3
256.bzip2	4	150	46.3	4	144	48.5
300.twolf	4	199	70.0	4	200	69.5

Hardware

CPU:	Intel Xeon MP (3.0GHz, 100MHz bus)
CPU MHz:	3000
FPU:	Integrated
CPU(s) enabled:	4 cores, 4 chips, 1 core/chip (HT Technology disabled)
CPU(s) orderable:	1,2,4,8
Parallel:	No
Primary Cache:	12K micro-ops I + 8KBD on chip
Secondary Cache:	512KB(I+D) on chip
L3 Cache:	4096KB(I+D) on chip
Other Cache:	N/A
Memory:	8x1024MB PC133
Disk Subsystem:	1x18.2GB 15K Ultra320 SCSI
Other Hardware:	

Software

Operating System:	Windows Server 2003 Enterprise (Build 3790)
Compiler:	Intel C++ Compiler 7.1 Build 20030813Z 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:   -QxW -Qipo -Oi- shlw32M.lib ONESTEP=yes
Base tuning for C++ programs: -Qipo -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:       -QxW -Oi- -Qipo -O3 +FDO ONESTEP=yes
  175.vpr:       -QxW -Qipo -O3 +FDO ONESTEP=yes
  176.gcc:       -QxW -Qipo -Oi- -O3 +FDO shlw32M.lib ONESTEP=yes
  181.mcf:       -Oa -Qipo +FDO shlw32M.lib ONESTEP=yes
  186.crafty:     -QxW -Qipo -O3 +FDO ONESTEP=yes
  197.parser:     -QxW -Qipo -Oa -O3 +FDO ONESTEP=yes
  252.eon:      -QxW -Qipo -O3 +FDO ONESTEP=yes
  253.perlbmk:    -Qipo -Oa -O3 +FDO shlw32M.lib ONESTEP=yes
  254.gap:      -QxW -Qipo -Oi- -O3 +FDO shlw32M.lib ONESTEP=yes
  255.vortex:     -QxW -Qipo -O3 +FDO shlw32M.lib ONESTEP=yes
  256.bzip2:      -Qunroll1 -Oa -Oi- -Qipo +FDO ONESTEP=yes
```

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Notes/Tuning Information (Continued)

```
  300.twolf:      -QxW -Qipo -Oa -Oi- -O3 +FDO shlw32M.lib ONESTEP=yes
BIOS Configuration Notes
  HT Technology disabled
```