CINT2000 Result

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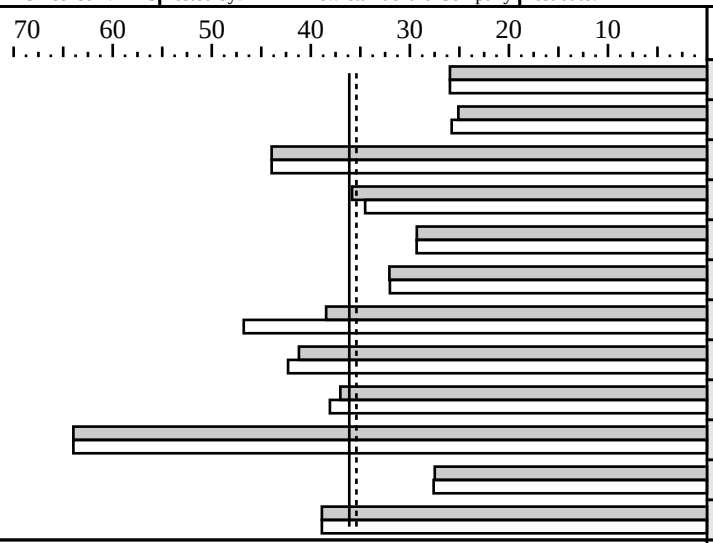
Hewlett-Packard Company

ProLiant ML350 G4p (3.4GHz, Intel Xeon)

SPECint_rate2000 = 36.1

SPECint_rate_base2000 = 35.4

SPEC license #: 3 | Tested by: Hewlett-Packard Company | Test date: Mar-2005 | Hardware Avail: Mar-2005 | Software Avail: Nov-2004



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	2	125	26.0	2	125	26.0
175.vpr	2	129	25.1	2	126	25.8
176.gcc	2	58.1	44.0	2	58.1	44.0
181.mcf	2	117	35.8	2	121	34.5
186.crafty	2	79.2	29.3	2	79.1	29.3
197.parser	2	130	32.1	2	130	32.0
252.eon	2	78.4	38.5	2	64.5	46.8
253.perlbmk	2	101	41.2	2	98.7	42.3
254.gap	2	68.9	37.0	2	67.0	38.1
255.vortex	2	68.9	64.0	2	68.9	64.0
256.bzip2	2	127	27.5	2	126	27.6
300.twolf	2	179	38.9	2	179	38.9

Hardware

CPU:	Intel Xeon (3.4GHz, 2MB L2, 800MHz bus)
CPU MHz:	3400
FPU:	Integrated
CPU(s) enabled:	2 cores, 2 chips, 1 core/chip (Hyper-Threading Technology disabled)
CPU(s) orderable:	1,2
Parallel:	No
Primary Cache:	12K micro-ops I + 16KBD on chip
Secondary Cache:	2048KB(I+D) on chip
L3 Cache:	N/A
Other Cache:	N/A
Memory:	6x2048MB PC2-3200 CL3 Dual-Rank DIMMs
Disk Subsystem:	1x18.2GB 15K U320
Other Hardware:	

Software

Operating System:	Windows Server 2003 Standard (Build 3790)
Compiler:	Intel C++ Compiler 8.1 Build 20040802Z 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
+FDO*: PASS1=-Qprof_gen  PASS2=-Qprof_use (-QxP not used in PASS1 to enable cross-compilation)
Base tuning for C programs:   -fast  +FDO  shlw32M.lib
Base tuning for C++ programs: -fast -GX -GR
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=1
  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:        -QxP      -O2 -Qipo     +FDO* ONESTEP=yes
  253.perlbmk:    -fast -Oa               +FDO  ONESTEP=yes shlw32M.lib
  254.gap:        -fast                   +FDO  ONESTEP=yes
  255.vortex:     basepeak=1
```

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Notes/Tuning Information (Continued)

```
256.bzip2:      -fast -Oa -Qunroll1    +FDO  ONESTEP=yes
300.twolf:      basepeak=1spec.cpu2000.notes110:  BIOS Configuration Notes
Hyper-Threading Technology disabled
```