CINT2000 Result

Copyright ©1999-2005, Standard Performance Evaluation Corporation

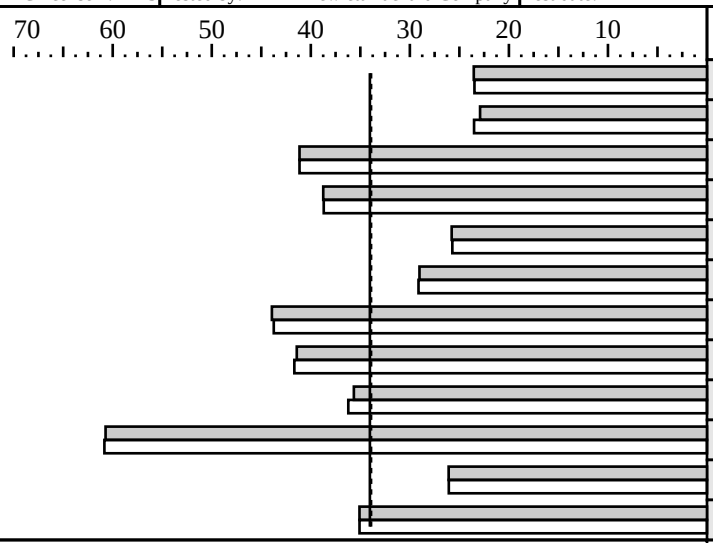
Hewlett-Packard Company

ProLiant DL320 G4 (3.0GHz Intel Pentium D Processor 930)

SPECint_rate2000 = 34.0

SPECint_rate_base2000 = 33.9

SPEC license #: 3 | Tested by: Hewlett-Packard Company | Test date: Mar-2006 | Hardware Avail: Mar-2006 | Software Avail: Jan-2006



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	2	138	23.5	2	138	23.5
175.vpr	2	142	22.9	2	138	23.5
176.gcc	2	62.0	41.1	2	62.0	41.1
181.mcf	2	108	38.7	2	108	38.7
186.crafty	2	90.0	25.8	2	90.2	25.7
197.parser	2	144	29.0	2	143	29.1
252.eon	2	68.7	43.9	2	69.0	43.7
253.perlbmk	2	101	41.4	2	100	41.7
254.gap	2	71.6	35.7	2	70.5	36.2
255.vortex	2	72.6	60.7	2	72.5	60.8
256.bzip2	2	133	26.1	2	134	26.1
300.twolf	2	198	35.1	2	198	35.1

Hardware

CPU:	Intel Pentium D Processor 930 (3.0 GHz, 2x2MB L2, 800MHz bus)
CPU MHz:	3000
FPU:	Integrated
CPU(s) enabled:	2 cores, 1 chip, 2 cores/chip
CPU(s) orderable:	1
Parallel:	No
Primary Cache:	12K micro-ops I + 16KBD (on chip) per core
Secondary Cache:	2048KB(I+D) (on chip) per core
L3 Cache:	N/A
Other Cache:	N/A
Memory:	4x2048MB PC2-4200
Disk Subsystem:	1x80.0GB SATA
Other Hardware:	

Software

Operating System:	Windows Server 2003 Standard SP1
Compiler:	Intel C++ Compiler for 32-bit applications, (Version 9.0 Build 20060120Z) 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
```

Copyright ©1999-2005, Standard Performance Evaluation Corporation

Notes/Tuning Information (Continued)

```
256.bzip2:    -fast -Oa -Qunroll1 +FDO  ONESTEP=yes shlw32M.lib
300.twolf:    -fast               +FDO              shlw32M.lib
```