CINT2000 Result

Copyright ©1999-2004, Standard Performance Evaluation Corporation

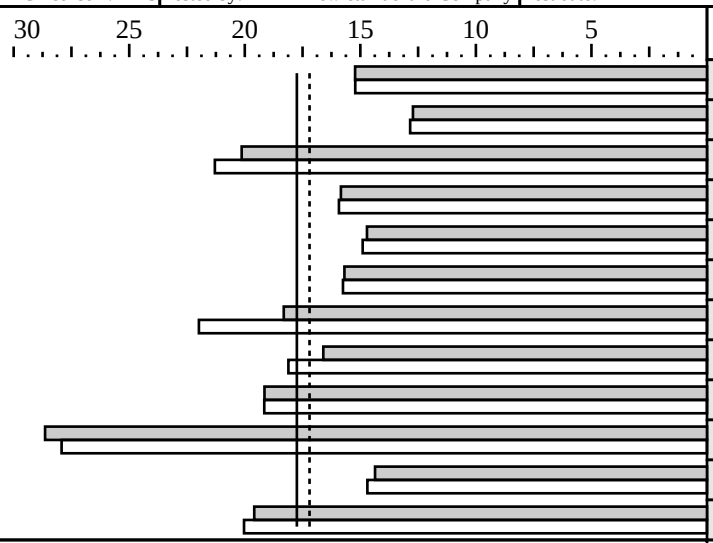
Hewlett-Packard Company

ProLiant ML370 G3 (3.2GHz/2MB L3 cache, Intel Xeon)

SPECint_rate2000 = 17.7

SPECint_rate_base2000 = 17.2

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



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	1	107	15.2	1	107	15.2
175.vpr	1	128	12.7	1	126	12.8
176.gcc	1	63.4	20.1	1	59.9	21.3
181.mcf	1	132	15.8	1	131	15.9
186.crafty	1	78.8	14.7	1	77.9	14.9
197.parser	1	133	15.7	1	133	15.8
252.eon	1	82.3	18.3	1	68.6	22.0
253.perlbmk	1	126	16.6	1	115	18.1
254.gap	1	66.6	19.1	1	66.6	19.2
255.vortex	1	77.0	28.6	1	78.9	27.9
256.bzip2	1	121	14.4	1	118	14.7
300.twolf	1	178	19.6	1	174	20.0

Hardware

CPU:	Intel Xeon (3.2GHz, 533MHz bus)
CPU MHz:	3200
FPU:	Integrated
CPU(s) enabled:	1 core, 1 chip, 1 core/chip (HT Technology disabled)
CPU(s) orderable:	1,2
Parallel:	No
Primary Cache:	12K micro-ops I + 8KBD on chip
Secondary Cache:	512KB(I+D) on chip
L3 Cache:	2048KB(I+D) on chip
Other Cache:	N/A
Memory:	4x512MB PC2100
Disk Subsystem:	1x36.4GB 15K Ultra320 SCSI
Other Hardware:	

Software

Operating System:	Windows Server 2003 Standard (Build 3790)
Compiler:	Intel C++ Compiler 8.0 Build 20031211Z 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:   -QxN -Qipo -O3 +FDO 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:       -QxN -Qipo -Oa -O3 +FDO ONESTEP=yes
  175.vpr:    -QxN -Qipo -O3 +FDO ONESTEP=yes
  176.gcc:    -QxN -Qipo -Oi- -O3 +FDO ONESTEP=yes
  181.mcf:    -QxN -Qipo -O3 +FDO shlw32M.lib ONESTEP=yes
  186.crafty:     -QxN -Qipo -Oa -O3 +FDO shlw32M.lib ONESTEP=yes
  197.parser:     -QxN -Qipo -O3 +FDO ONESTEP=yes
  252.eon:   -QxN -Qipo -O3 +FDO ONESTEP=yes
  253.perlbmk:    -Qipo -Oa -O3 +FDO shlw32M.lib ONESTEP=yes
  254.gap:   -QxN -Qipo -O3 +FDO ONESTEP=yes
  255.vortex:     -QxN -Qipo -O3 +FDO shlw32M.lib ONESTEP=yes
  256.bzip2:   -Qunroll1 -Oa -Qipo +FDO ONESTEP=yes
```

Copyright ©1999-2004, Standard Performance Evaluation Corporation

Notes/Tuning Information (Continued)

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