CINT2000 Result

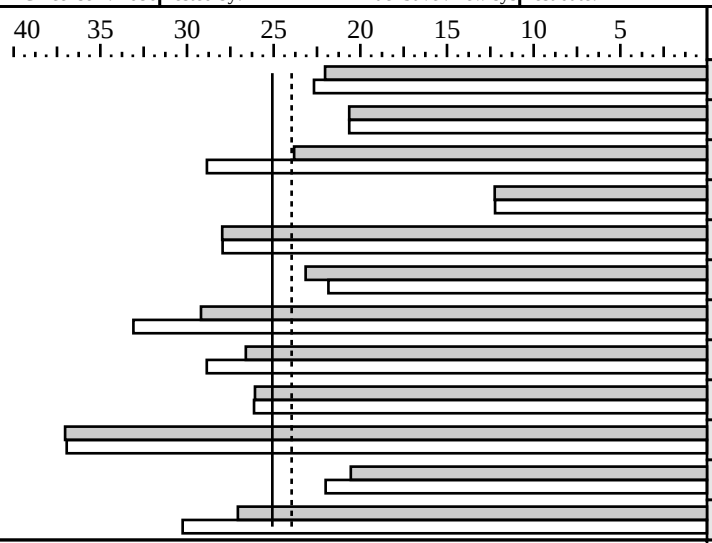
Copyright ©1999-2004, Standard Performance Evaluation Corporation

RackSaver
RSN-1164/op (1.8 GHz Opteron)

SPECint_rate2000 = 25.1

SPECint_rate_base2000 = 24.0

SPEC license #: 2686 | Tested by: RackSaver/Newisys | Test date: Apr-2003 | Hardware Avail: Apr-2003 | Software Avail: Apr-2003



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	2	147	22.0	2	143	22.7
175.vpr	2	157	20.6	2	157	20.6
176.gcc	2	107	23.8	2	88.5	28.9
181.mcf	2	341	12.2	2	342	12.2
186.crafty	2	83.0	28.0	2	83.0	27.9
197.parser	2	180	23.2	2	191	21.8
252.eon	2	103	29.2	2	91.1	33.1
253.perlbmk	2	157	26.6	2	145	28.9
254.gap	2	97.9	26.1	2	97.7	26.1
255.vortex	2	119	37.0	2	119	36.9
256.bzip2	2	169	20.5	2	158	22.0
300.twolf	2	257	27.1	2	230	30.3

Hardware

CPU:	AMD Opteron 244, 1.8 GHz
CPU MHz:	1800
FPU:	Integrated
CPU(s) enabled:	2 cores, 2 chips, 1 core/chip
CPU(s) orderable:	1, 2
Parallel:	No
Primary Cache:	64KBI + 64KBD on chip
Secondary Cache:	1024KB(I+D) on chip
L3 Cache:	N/A
Other Cache:	N/A
Memory:	8x256MB PC2700 DDR SDRAM CL2.5
Disk Subsystem:	1 x 36 GB Maxtor Atlas 10K III U320
Other Hardware:	None

Software

Operating System:	Windows Server 2003, Enterprise Edition
Compiler:	Intel C/C++ 7.0 build 20021212Z Microsoft Visual Studio .NET Version 7.0.9466 (libraries) MicroQuill Smartheap Library 6.0
File System:	NTFS
System State:	Default

Notes/Tuning Information

```
shlW32M6.lib is the SmartHeap library V6.0 from MicroQuill www.microquill.com
+FDO: PASS1=-Qprof_gen  PASS2=-Qprof_use
Portability:
  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
Baseline C:           +FD0 -O3 -QxW  -Qipo
Baseline C++:         +FD0           -Qipo -GX  -GR
Peak tuning:
  164.gzip:           +FD0 -O3 -QaxK -Qipo -Oi-
  175.vpr:            +FD0 -O3 -QxW  -Qipo
  176.gcc:            +FD0 -O3 -QxK  -Qipo -Oi-
  181.mcf:            +FD0           -Qipo -Oa
  186.crafty:         +FD0 -O3 -QxW  -Qipo
  197.parser:         +FD0 -O3 -QxW  -Qipo -Oa
  252.eon:            +FD0 -O3 -QaxW -Qipo -Zp4
  253.perlbmk:        +FD0 -O3       -Qipo -Oa  shlW32M6.lib
  254.gap:            +FD0 -O3 -QxW  -Qipo
  255.vortex:         +FD0           -Qipo      -Qunroll1
```

Copyright ©1999-2004, Standard Performance Evaluation Corporation

Notes/Tuning Information (Continued)

```
  256.bzip2:            +FD0            -Qipo -Oa  -Qunroll1
  300.twolf:            +FD0     -Qxi   -Qipo      shlW32M6.lib
ONESTEP is used for all base and peak runs
```