CINT2000 Result

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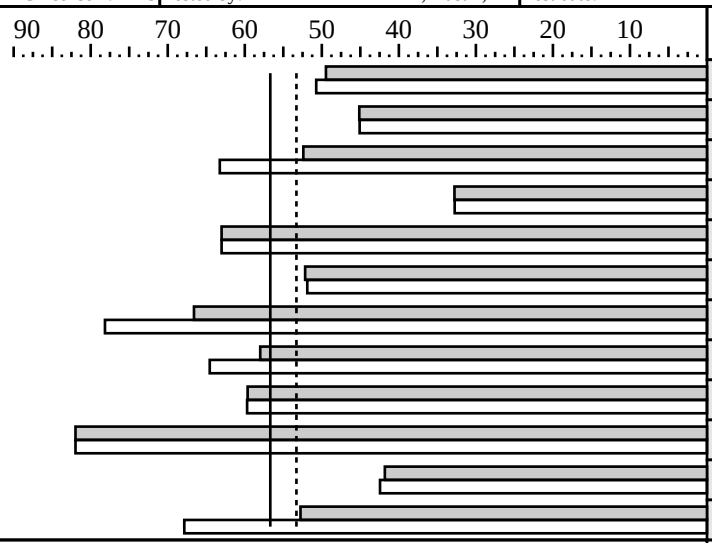
Appro 4144H

SPECint_rate2000 = 56.7

SPECint_rate_base2000 = 53.3

SPEC license #: 49 | Tested by: AMD, Austin, TX | Test date: Sep-2003 | Hardware Avail: Sep-2003 | Software Avail: May-2003



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	4	131	49.5	4	128	50.7
175.vpr	4	144	45.1	4	144	45.1
176.gcc	4	97.4	52.4	4	80.7	63.2
181.mcf	4	255	32.8	4	255	32.8
186.crafty	4	73.6	63.0	4	73.6	63.0
197.parser	4	160	52.2	4	161	51.9
252.eon	4	90.6	66.6	4	77.2	78.1
253.perlbmk	4	144	58.0	4	129	64.5
254.gap	4	85.6	59.6	4	85.5	59.7
255.vortex	4	108	82.0	4	108	82.0
256.bzip2	4	166	41.8	4	164	42.4
300.twolf	4	264	52.8	4	205	67.9

Hardware

CPU:	AMD Opteron (TM) 846
CPU MHz:	2000
FPU:	Integrated
CPU(s) enabled:	4 cores, 4 chips, 1 core/chip
CPU(s) orderable:	1,2,4
Parallel:	No
Primary Cache:	64KBI + 64KBD on chip
Secondary Cache:	1024KB(I+D) on chip
L3 Cache:	N/A
Other Cache:	N/A
Memory:	8x512MB Registered ECC DRR 333, CL2.5
Disk Subsystem:	SCSI, U160, 18GB, 15k RPM
Other Hardware:	None

Software

Operating System:	Microsoft Windows 2003 Server Enterprise Edition
Compiler:	Intel C/C++ 7.0 build 20021212Z Microsoft Visual Studio .NET 7.0.9466 (for 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:           +FDO -O3 -QxW  -Qipo
Baseline C++:         +FDO           -Qipo -GX  -GR
Peak tuning:
  164.gzip:           +FDO -O3 -QaxK -Qipo -Oi-
  175.vpr:            +FDO -O3 -QxW  -Qipo
  176.gcc:            +FDO -O3 -QxK  -Qipo -Oi-
  181.mcf:            +FDO           -Qipo -Oa
  186.crafty:         +FDO -O3 -QxW  -Qipo
  197.parser:         +FDO -O3 -QxW  -Qipo -Oa
  252.eon:            +FDO -O3 -QaxW -Qipo -Zp4
  253.perlbmk:        +FDO -O3       -Qipo -Oa  shlW32M6.lib
  254.gap:            +FDO -O3 -QxW  -Qipo
  255.vortex:         basepeak=1
```

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Notes/Tuning Information (Continued)

```
  256.bzip2:          +FDO           -Qipo -Oa  -Qunroll1
  300.twolf:          +FDO     -Qxi  -Qipo      shlW32M6.lib
ONESTEP is used for all base and peak runs
ECC on, ECC scrubbing off
```