CINT2000 Result

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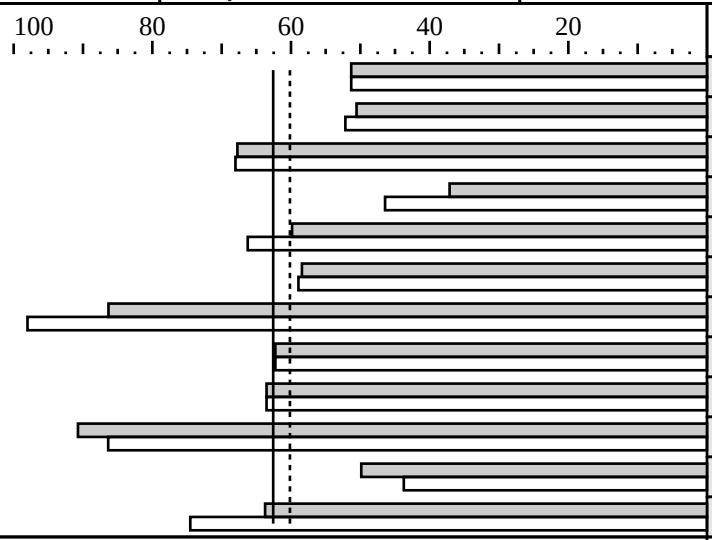
Advanved Micro Devices

TYAN S2895 Thunder K8WE, AMD Opteron (TM) 270

SPECint_rate2000 = 62.6

SPECint_rate_base2000 = 60.2

SPEC license #: 49 | Tested by: AMD, Austin, TX | Test date: Apr-2005 | Hardware Avail: May-2005 | Software Avail: Mar-2005



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	4	127	51.3	4	127	51.3
175.vpr	4	129	50.5	4	125	52.2
176.gcc	4	75.4	67.7	4	75.0	68.0
181.mcf	4	225	37.1	4	180	46.4
186.crafty	4	77.5	59.8	4	70.0	66.2
197.parser	4	143	58.4	4	142	58.9
252.eon	4	69.9	86.3	4	61.5	98.0
253.perlbmk	4	134	62.3	4	134	62.3
254.gap	4	80.3	63.5	4	80.3	63.5
255.vortex	4	97.2	90.7	4	102	86.4
256.bzip2	4	140	49.9	4	159	43.7
300.twolf	4	218	63.7	4	187	74.5

Hardware

CPU:	AMD Opteron (TM) 270
CPU MHz:	2000
FPU:	Integrated
CPU(s) enabled:	4 cores, 2 chips, 2 cores/chip
CPU(s) orderable:	1-2
Parallel:	No
Primary Cache:	64KBI + 64KBD/core
Secondary Cache:	1024KB(I+D)/core
L3 Cache:	N/A
Other Cache:	N/A
Memory:	8x512 MB PC3200 CL2.5 ECC Reg
Disk Subsystem:	SATA, Western Digital WD740GD, 10000 RPM
Other Hardware:	None

Software

Operating System:	Microsoft Windows Server 2003 Enterprise Edition SP1
Compiler:	Intel C++ 8.0 build 20040714Z Microsoft Visual Studio .NET 7.0.9466 (libraries) MicroQuill Smartheap Library 7.0
File System:	NTFS
System State:	Default

Notes/Tuning Information

```
shlW32M7.lib is the SmartHeap library V7.0 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:   -fast -arch:SSE2 -Oi- +FDO
Baseline C++: -fast -arch:SSE2 -GX -GR
Peak Tuning:
164.gzip:     basepeak=yes
175.vpr:      -fast -arch:SSE2 +FDO
              -Qoption,c,-ip_ninl_max_stats=2000,-ip_ninl_max_total_stats=4500
176.gcc:      -fast -arch:SSE2 +FDO -Oi- -Qunroll3
181.mcf:      -fast -QaxN      +FDO
186.crafty:   -fast -arch:SSE2 +FDO
197.parser:         -arch:SSE2 +FDO -Oi- -Qipo
252.eon:      -fast -arch:SSE2 +FDO -Qansi_alias
             -Qoption,c,-ip_ninl_max_stats=2000,-ip_ninl_max_total_stats=4500
```

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Notes/Tuning Information (Continued)

```
 253.perlbmk:  basepeak=yes
 254.gap:      basepeak=yes
 255.vortex:   -fast -arch:SSE  +FDO -Oi- shlW32M7.lib
               -Qoption,c,-ip_ninl_max_stats=2000,-ip_ninl_max_total_stats=4500
 256.bzip2:    -fast                       -Qunroll2
 300.twolf:    -fast -arch:SSE2 +FDO       -Qunroll3 shlW32M7.lib -Qansi_alias
Bios Rev 1.00.2895
The start /b /wait /affinity command is used to bind CPU(s) to processes.
The tested system can be assembled using the SSI EEB v3.5 footprint, an
Antec True 550 EPS12V 550W power supply, and a PCI-e graphics card.
```