CINT2000 Result

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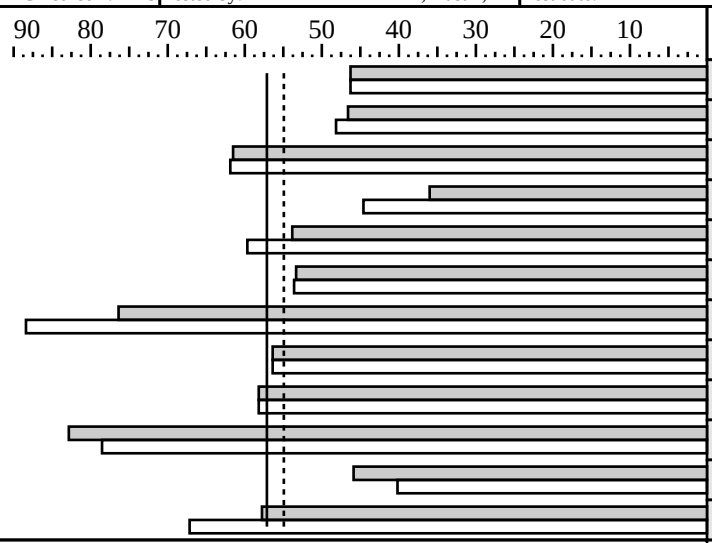
Advanced Micro Devices

TYAN S2895 Thunder K8WE, AMD Opteron (TM) 265

SPECint_rate2000 = 57.1

SPECint_rate_base2000 = 54.9

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	140	46.3	4	140	46.3
175.vpr	4	139	46.6	4	135	48.2
176.gcc	4	83.0	61.5	4	82.5	61.9
181.mcf	4	232	36.0	4	187	44.6
186.crafty	4	86.2	53.8	4	77.8	59.7
197.parser	4	157	53.3	4	156	53.6
252.eon	4	79.0	76.4	4	68.2	88.4
253.perlbmk	4	148	56.4	4	148	56.4
254.gap	4	87.7	58.2	4	87.7	58.2
255.vortex	4	106	82.8	4	112	78.5
256.bzip2	4	152	45.9	4	173	40.2
300.twolf	4	241	57.8	4	207	67.2

Hardware

CPU:	AMD Opteron (TM) 265
CPU MHz:	1800
FPU:	Integrated
CPU(s) enabled:	4 cores, 2 chips, 2 cores/chips
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.
```