



CINT2000 Result

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Advanced Micro Devices
TYAN S2895 Thunder K8WE, AMD Opteron (TM) 265

SPECint_rate2000 = 29.1
SPECint_rate_base2000 = 27.8

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	2	140	23.2	2	140	23.2
175.vpr	2	138	23.5	2	134	24.2
176.gcc	2	81.9	31.2	2	81.7	31.2
181.mcf	2	227	18.4	2	182	23.0
186.crafty	2	85.7	27.1	2	77.5	29.9
197.parser	2	155	27.0	2	154	27.0
252.eon	2	77.4	39.0	2	67.9	44.4
253.perlbnk	2	147	28.5	2	147	28.5
254.gap	2	87.5	29.2	2	87.5	29.2
255.vortex	2	105	42.1	2	111	39.7
256.bzip2	2	152	22.9	2	151	23.1
300.twolf	2	237	29.4	2	207	33.7

Hardware

CPU: AMD Opteron (TM) 265
CPU MHz: 1800
FPU: Integrated
CPU(s) enabled: 2 cores, 1 chip, 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: 4x512 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.perlbnk: -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.perlbnk: 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.