CINT2000 Result

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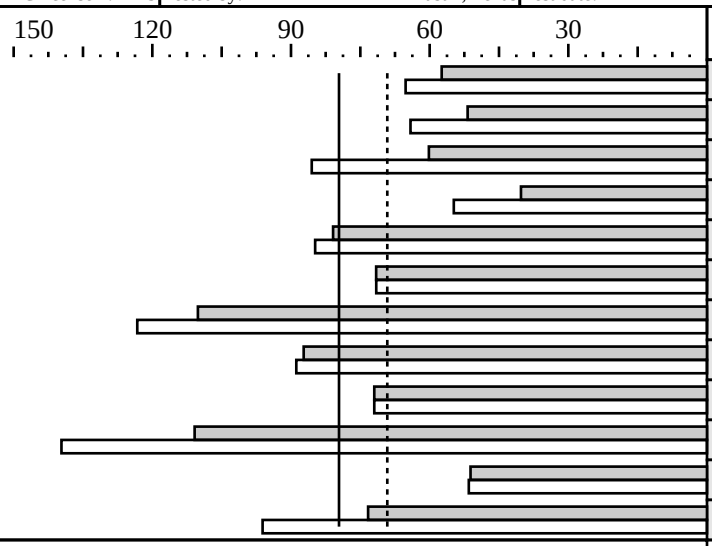
Advanced Micro Devices

TYAN Thunder K8SD Pro (S2882-D), AMD Opteron(TM) 285

SPECint_rate2000 = 79.6

SPECint_rate_base2000 = 69.2

SPEC license #: 49 | Tested by: AMD Austin, Texas | Test date: Feb-2006 | Hardware Avail: Mar-2006 | Software Avail: Sep-2005



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	4	113	57.4	4	99.6	65.2
175.vpr	4	125	51.8	4	101	64.1
176.gcc	4	84.8	60.2	4	59.7	85.5
181.mcf	4	208	40.2	4	152	54.8
186.crafty	4	57.4	80.9	4	54.7	84.8
197.parser	4	117	71.6	4	117	71.6
252.eon	4	54.8	110	4	48.9	123
253.perlbmk	4	95.7	87.3	4	94.0	88.9
254.gap	4	70.9	72.0	4	70.9	72.0
255.vortex	4	79.5	111	4	63.1	140
256.bzip2	4	136	51.2	4	135	51.5
300.twolf	4	190	73.3	4	145	96.1

Hardware

CPU:	AMD Opteron(TM) 285
CPU MHz:	2600
FPU:	Integrated
CPU(s) enabled:	4 cores, 2 chips, 2 cores/chip
CPU(s) orderable:	1,2
Parallel:	no
Primary Cache:	64KBI + 64KBD (on chip) per core
Secondary Cache:	1024KB (I+D) (on chip) per core
L3 Cache:	N/A
Other Cache:	N/A
Memory:	4x512MB, DDR400 CL2 ECC Reg
Disk Subsystem:	SATA, 250 GB
Other Hardware:	None

Software

Operating System:	Windows Server 2003 Enterprise edition SP1 (32-bit)
Compiler:	Intel C++ 9.0 build 20050912Z for IA32 Microsoft Visual Studio .NET 7.0.9466 (libraries) MicroQuill Smartheap Library 7.0
File System:	NTFS
System State:	default

Notes/Tuning Information

```
shlW32M.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:   -O3 -Qipo -Op +FDO
Baseline C++: -O3 -Qipo -Qcxx-features +FDO
Peak Tuning:
164.gzip:     -O3 -Qipo -QxW +FDO
175.vpr:      -O3 -Qipo -QxW +FDO
              -Qoption,c,-ip_ninl_max_stats=2000,-ip_ninl_max_total_stats=4500
176.gcc:      -O3 -Qipo -QxW -Oi- -Qunroll3 +FDO
181.mcf:      -O3 -Qipo -QaxN      +FDO
186.crafty:   -O3 -Qipo -QxW +FDO
197.parser:   -QxW +FDO -Oi- -Qipo
252.eon:      -O3 -Qipo -QxW +FDO -Qansi_alias
             -Qoption,c,-ip_ninl_max_stats=2000,-ip_ninl_max_total_stats=4500
253.perlbmk:  -O3 -Qipo -QxW +FDO
```

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Notes/Tuning Information (Continued)

```
 254.gap:       basepeak = true
 255.vortex:   -O3 -Qipo -arch:SSE  +FDO -Oi- shlW32M.lib
               -Qoption,c,-ip_ninl_max_stats=2000,-ip_ninl_max_total_stats=4500
 256.bzip2:    -O3 -Qipo           -Qunroll2
 300.twolf:    -O3 -Qipo -QxW +FDO -Qunroll3 shlW32M.lib -Qansi_alias
Corsair CMX512RE-3200LL (XMS3200REv2.1) memory used in Dual Channel configuration.
CMOS cleared, default BIOS settings used.
BIOS rev 3.05
The tested system can be assembled using a standard ATX case and an Antec True 550
watt EPS12V Power Supply.
```