CINT2000 Result

Copyright ©1999-2004, Standard Performance Evaluation Corporation

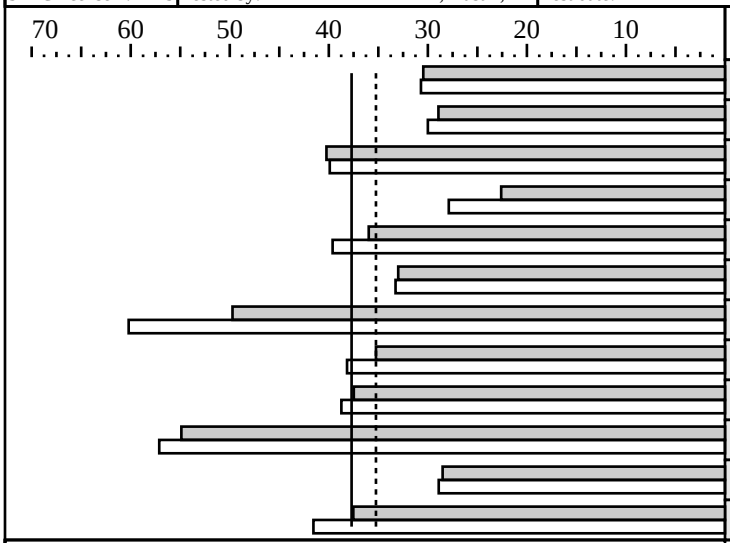
Advanced Micro Devices

Tyan Thunder K8W (S2885), AMD Opteron (TM) 250

SPECint_rate2000 = 37.7

SPECint_rate_base2000 = 35.2

SPEC license #: 49 | Tested by: AMD, Austin, TX | Test date: Apr-2004 | Hardware Avail: May-2004 | Software Avail: Feb-2004



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	2	107	30.5	2	106	30.7
175.vpr	2	112	28.9	2	108	30.0
176.gcc	2	63.4	40.2	2	64.0	39.9
181.mcf	2	185	22.6	2	150	27.9
186.crafty	2	64.5	36.0	2	58.6	39.6
197.parser	2	127	33.0	2	126	33.3
252.eon	2	60.7	49.7	2	50.1	60.2
253.perlbmk	2	119	35.2	2	109	38.2
254.gap	2	68.1	37.5	2	65.9	38.7
255.vortex	2	80.3	54.9	2	77.2	57.1
256.bzip2	2	122	28.5	2	120	28.9
300.twolf	2	185	37.5	2	168	41.6

Hardware

CPU:	AMD Opteron (TM) 250
CPU MHz:	2400
FPU:	Integrated
CPU(s) enabled:	2 cores, 2 chips, 1 core/chip
CPU(s) orderable:	2
Parallel:	No
Primary Cache:	64KBI + 64KBD on chip
Secondary Cache:	1024KB(I+D) on chip
L3 Cache:	N/A
Other Cache:	N/A
Memory:	4 x 512 MB PC3200 DDR SDRAM ECC Registered CL3.0
Disk Subsystem:	SCSI, Ultra-320, 15k rpm
Other Hardware:	None

Software

Operating System:	Microsoft Windows Server 2003 Enterprise Edition
Compiler:	Intel C++ 8.0 build 20031229Z Microsoft Visual Studio .NET 7.0.9466 (libraries) MicroQuill Smartheap Library 6.0
File System:	NTFS
System State:	Default

Notes/Tuning Information

```
Tested by AMD
  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:   -fast -arch:SSE2 -Oi- +FDO
  Baseline C++: -fast -arch:SSE2 -GX -GR
 Peak Tuning:
  164.gzip:     -fast -arch:SSE  +FDO shlW32M6.lib
  175.vpr:      -fast -arch:SSE2 +FDO
               -Qoption,c,-ip_ninl_max_stats=2000 -Qoption,c,-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 -Qoption,c,-ip_ninl_max_total_stats=4500
```

Copyright ©1999-2004, Standard Performance Evaluation Corporation

Notes/Tuning Information (Continued)

```
  253.perlbmk:        -arch:SSE2 +FDO      -Qipo shlW32M6.lib
  254.gap:      -fast -arch:SSE2 +FDO -Oi- -Oa
               -Qoption,c,-ip_ninl_max_stats=500 -Qoption,c,-ip_ninl_max_total_stats=3000
  255.vortex:   -fast -arch:SSE  +FDO -Oi- shlW32M6.lib
               -Qoption,c,-ip_ninl_max_stats=2000 -Qoption,c,-ip_ninl_max_total_stats=4500
  256.bzip2:    -fast                      -Qunroll2
  300.twolf:    -fast -arch:SSE2 +FDO      -Qunroll3 shlW32M6.lib -Qansi_alias
 The tested system can be assembled using an ATX case such as the Antec KS-282,
 a 460W power supply, like a Sparkle 460-60PFN and a PCI or AGP video card.
BIOS rev.: 1.01
```