CINT2000 Result

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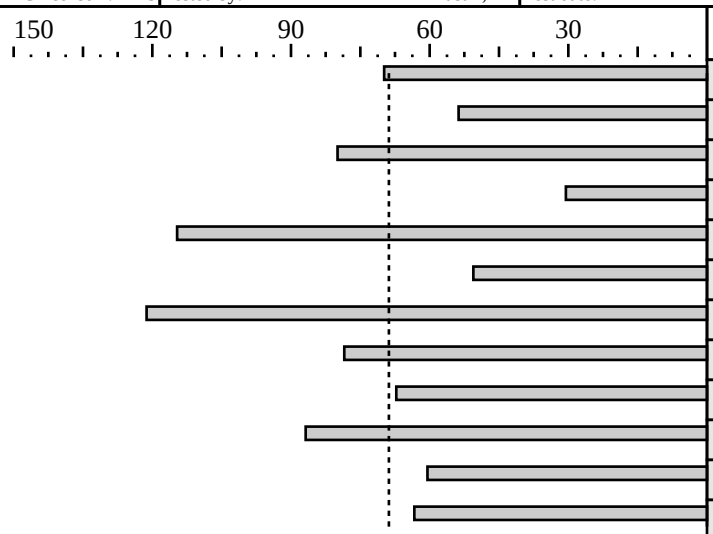
Advanced Micro Devices

Tyan Thunder K9QE (S4985) Motherboard, AMD Opteron (TM) 2220SE

SPECint_rate2000 = --

SPECint_rate_base2000 = 68.8

SPEC license #: 49 | Tested by: AMD Austin, TX | Test date: Aug-2006 | Hardware Avail: Sep-2006 | Software Avail: Jul-2006



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	4	93.0	69.8			
175.vpr	4	121	53.7			
176.gcc	4	63.9	79.9			
181.mcf	4	274	30.5			
186.crafty	4	40.5	115			
197.parser	4	165	50.5			
252.eon	4	49.8	121			
253.perlbmk	4	106	78.5			
254.gap	4	75.9	67.2			
255.vortex	4	102	86.8			
256.bzip2	4	115	60.5			
300.twolf	4	220	63.3			

Hardware

CPU:	AMD Opteron (TM) 2220SE
CPU MHz:	2800
FPU:	Integrated
CPU(s) enabled:	4 cores, 2 chips, 2 cores/chip
CPU(s) orderable:	1,2,4 chips
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:	8 x 1GB DDR2-667 CL5 ECC Reg
Disk Subsystem:	1 X 74GB Western Digital WD740 SATA 10Krpm
Other Hardware:	None

Software

Operating System:	SuSE Linux 10.1 for x86_64
Compiler:	SuSE gcc, g++ 4.1
File System:	Linux/ext3
System State:	Multi-user SuSE Run level 3

Notes/Tuning Information

```
Tested by Advanced Micro Devices
  Portability:
   255.vortex=  CPORTABILITY=-DSPEC_CPU2000_LP64
   186.crafty:  CPORTABILITY=-DLINUX_i386
   252.eon:     CXXPORTABILITY=-DHAS_ERRLIST -DSPEC_CPU2000_LP64
   253.perlbmk: CPORTABILITY=-DSPEC_CPU2000_LINUX_I386 -DSPEC_CPU2000_NEED_BOOL
                             -DSPEC_CPU2000_LP64
   254.gap:     CPORTABILITY=-DSYS_IS_USG -DSYS_HAS_IOCTL_PROTO -DSYS_HAS_TIME_PROTO
                             -DSYS_HAS_CALLOC_PROTO -DSYS_HAS_MALLOC_PROTO
                             -DSPEC_CPU2000_LP64
  Baseline C:   gcc -O3 -fno-strict-aliasing
  Baseline C++: g++ -O3
Binaries are 64 bit running on a 64 bit OS
Basic ECC Enabled in BIOS.
The system can be built using an SSI EEB form-factor
case, and a Zippy/Emacs 700 watt PSL-6701P Power Supply
```