SPEC® CINT2006 Result

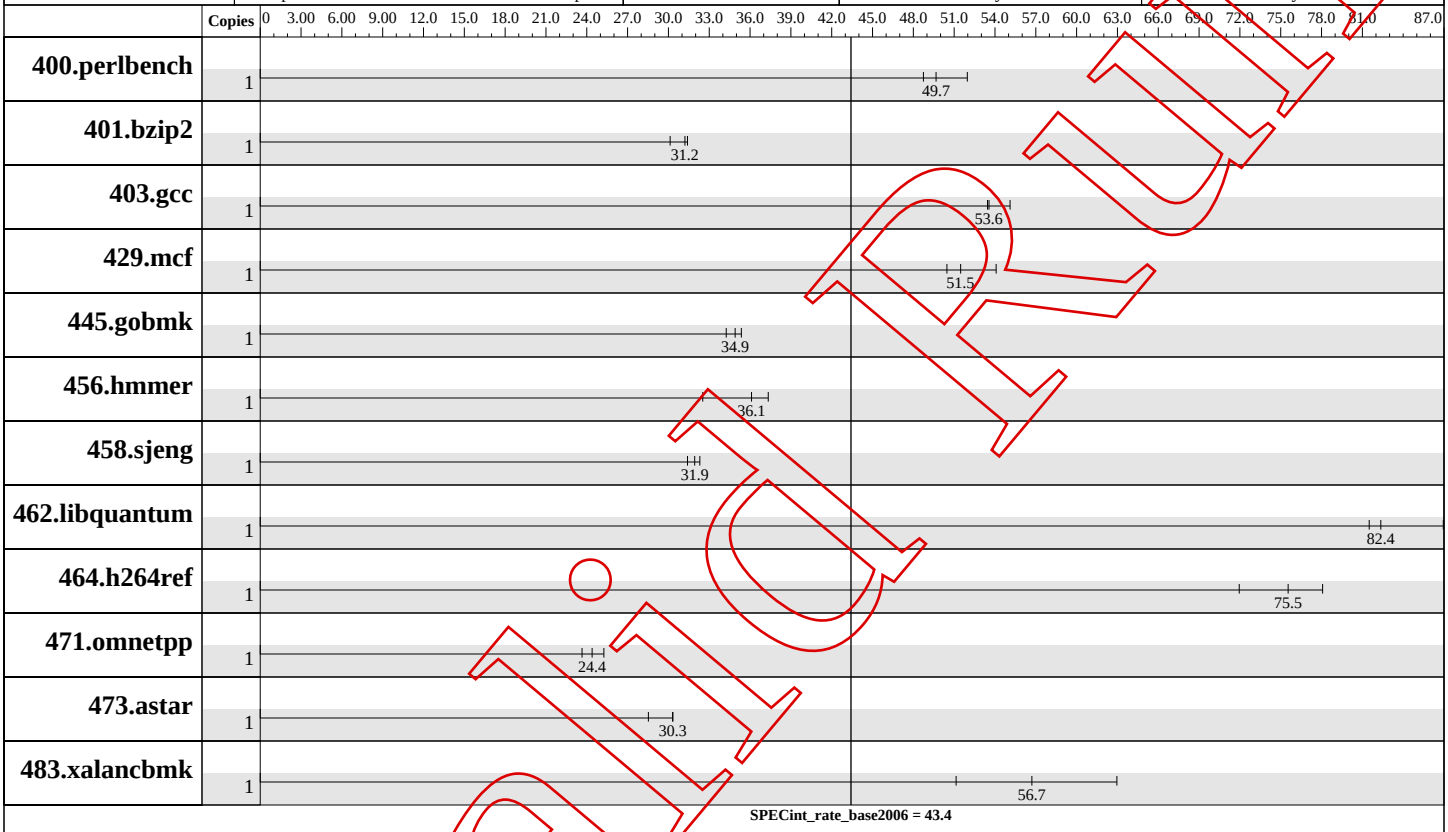
Tyan

Tyan Thunder KKQS Pro (S4882)

SPECint®_rate2006 = Not Run

SPECint_rate_base2006 = 43.4

CPU2006 license #: 9999 | Test sponsor: Turbo Computers | Test date: Dec-9999 | Hardware Availability: Dec-9999 | Software Availability: Dec-9999



Hardware

CPU Name:	AMCC X-gene
CPU Characteristics:	
CPU MHz:	3193.750
FPU:	Integrated
CPU(s) enabled:	4 cores, 1 chip, 1 core/chip
CPU(s) orderable:	1 chip
Primary Cache:	32 KB I + 32 KB D on chip per chip
Secondary Cache:	3 MB I+D on chip per chip
L3 Cache:	None
Other Cache:	None
Memory:	8 GB (1 x 8GB DDR333 CL2.5)
Disk Subsystem:	SATA
Other Hardware:	--

Software

Operating System:	SUSE SLES9 (for AMD64)
Compiler:	gcc , g++ & gfortran 4.9.2 (for AMD64)
Auto Parallel:	No
File System:	ext3
System State:	runlevel 3
Base Pointers:	64-bit
Peak Pointers:	Not Applicable
Other Software:	None

Errors

'reportable' flag not set during run
Unknown flags were used! See
http://www.spec.org/auto/cpu2006/Docs/runspec.html#flagsurl
for information about how to get rid of this error.

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Results Table

Benchmark	Base							Peak						
	Copies	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Copies	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio
400.perlbench	1	**197**	**49.7**	188	52.0	200	48.7							
401.bzip2	1	**309**	**31.2**	307	31.4	320	30.1							
403.gcc	1	146	55.1	151	53.5	**150**	**53.6**							
429.mcf	1	**177**	**51.5**	181	50.5	169	54.1							
445.gobmk	1	**301**	**34.9**	306	34.2	297	35.4							
456.hmmer	1	250	37.3	**258**	**36.1**	287	32.5							
458.sjeng	1	375	32.3	385	31.4	**379**	**31.9**							
462.libquantum	1	**252**	**82.4**	254	81.5	238	86.9							
464.h264ref	1	**293**	**75.5**	308	72.0	283	78.1							
471.omnetpp	1	**256**	**24.4**	264	23.7	247	25.3							
473.astar	1	**232**	**30.3**	246	28.5	232	30.3							
483.xalancbmk	1	**122**	**56.7**	135	51.1	110	63.0							

Results appear in the order in which they were run. Bold underlined text indicates a median measurement.

General Notes

```
PORTABILITY=-DSPEC_CPU_LP64 is applied to all benchmarks in base.
400.perlbench: -DSPEC_CPU_LINUX_X64
462.libquantum: -DSPEC_CPU_LINUX
C base flags: -std=gnu89 -flto -O2 -ffast-math -funroll-loops -fomit-frame-pointer -ftree-vectorize -fprefetch-loop-arrays
C++ base flags: -std=c++03 -flto -O2 -ffast-math -funroll-loops  -fomit-frame-pointer -ftree-vectorize -fprefetch-loop-arrays
Fortran base flags: -O2 -ffast-math
```

Base Unknown Flags

400.perlbench: "gcc" (in CC) "gcc" (in LD)
"-include math.h" (in CPORTABILITY)
"-std=gnu89 -flto -O2 -ffast-math -funroll-loops
-fomit-frame-pointer -ftree-vectorize
-fprefetch-loop-arrays" (in COPTIMIZE)
"-fno-strict-aliasing" (in EXTRA_CFLAGS)

401.bzip2: "gcc" (in CC) "gcc" (in LD)
"-std=gnu89 -flto -O2 -ffast-math -funroll-loops
-fomit-frame-pointer -ftree-vectorize
-fprefetch-loop-arrays" (in COPTIMIZE)

403.gcc: "gcc" (in CC) "gcc" (in LD)
"-std=gnu89 -flto -O2 -ffast-math -funroll-loops
-fomit-frame-pointer -ftree-vectorize
-fprefetch-loop-arrays" (in COPTIMIZE)

429.mcf: "gcc" (in CC) "gcc" (in LD)
"-std=gnu89 -flto -O2 -ffast-math -funroll-loops
-fomit-frame-pointer -ftree-vectorize
-fprefetch-loop-arrays" (in COPTIMIZE)

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Base Unknown Flags (Continued)

445.gobmk: "gcc" (in CC) "gcc" (in LD)
"-std=gnu89 -flto -O2 -ffast-math -funroll-loops
-fomit-frame-pointer -ftree-vectorize
-fprefetch-loop-arrays" (in COPTIMIZE)

456.hmmer: "gcc" (in CC) "gcc" (in LD)
"-std=gnu89 -flto -O2 -ffast-math -funroll-loops
-fomit-frame-pointer -ftree-vectorize
-fprefetch-loop-arrays" (in COPTIMIZE)

458.sjeng: "gcc" (in CC) "gcc" (in LD)
"-std=gnu89 -flto -O2 -ffast-math -funroll-loops
-fomit-frame-pointer -ftree-vectorize
-fprefetch-loop-arrays" (in COPTIMIZE)

462.libquantum: "gcc" (in CC) "gcc" (in LD)
"-std=gnu89 -flto -O2 -ffast-math -funroll-loops
-fomit-frame-pointer -ftree-vectorize
-fprefetch-loop-arrays" (in COPTIMIZE)

464.h264ref: "gcc" (in CC) "gcc" (in LD)
"-fsigned-char" (in CPORTABILITY)
"-std=gnu89 -flto -O2 -ffast-math -funroll-loops
-fomit-frame-pointer -ftree-vectorize
-fprefetch-loop-arrays" (in COPTIMIZE)

471.omnetpp: "g++" (in CXX) "g++" (in LD)
"-std=c++03 -flto -O2 -ffast-math -funroll-loops
-fomit-frame-pointer -ftree-vectorize
-fprefetch-loop-arrays" (in CXXOPTIMIZE)

473.astar: "g++" (in CXX) "g++" (in LD)
"-std=c++03 -flto -O2 -ffast-math -funroll-loops
-fomit-frame-pointer -ftree-vectorize
-fprefetch-loop-arrays" (in CXXOPTIMIZE)

483.xalancbmk: "g++" (in CXX) "g++" (in LD)
"-include cstdlib -include cstring" (in CXXPORTABILITY)
"-std=c++03 -flto -O2 -ffast-math -funroll-loops
-fomit-frame-pointer -ftree-vectorize
-fprefetch-loop-arrays" (in CXXOPTIMIZE)