SPEC® CINT2006 Result

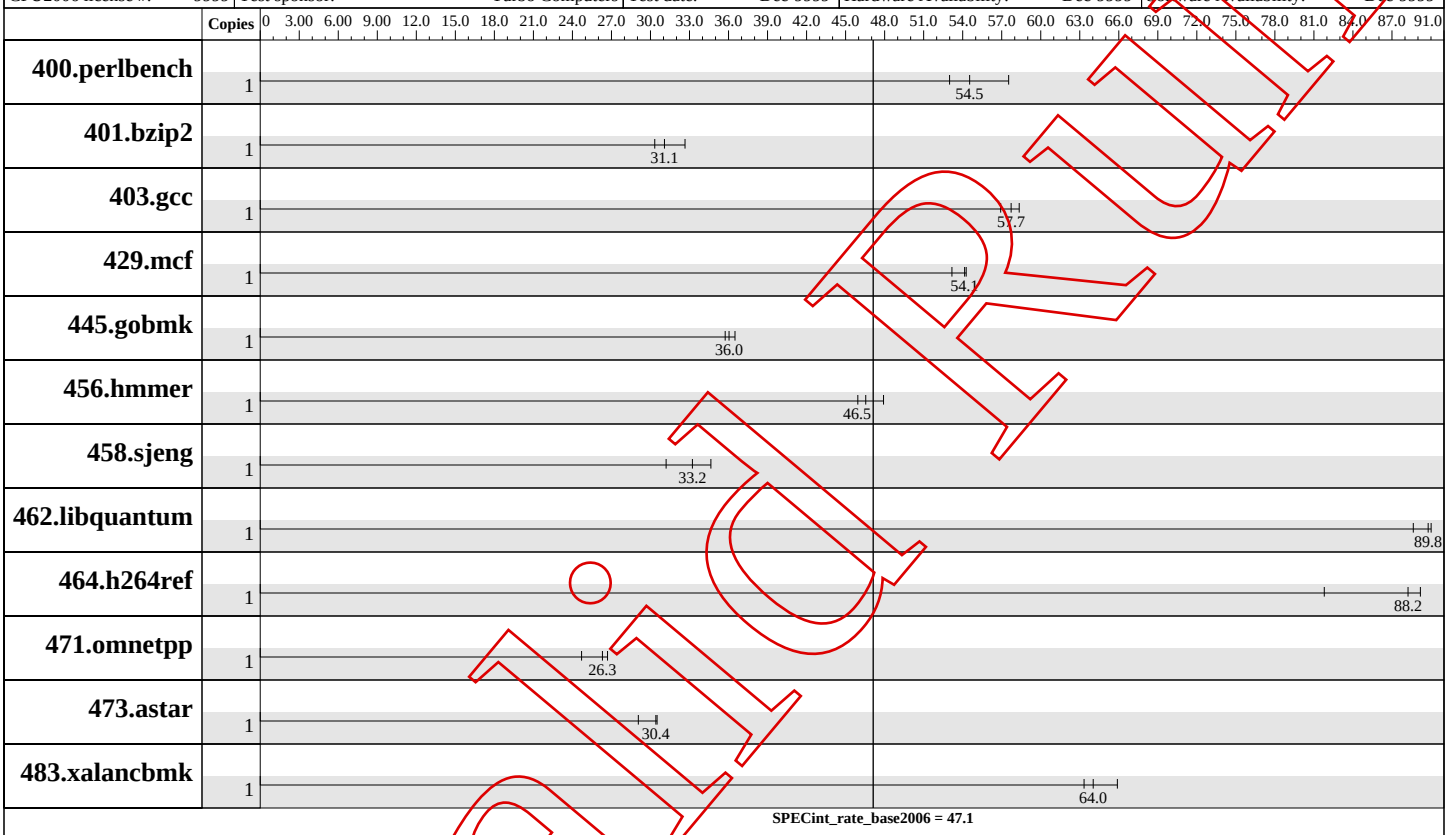
Tyan

Tyan Thunder KKQS Pro (S4882)

SPECint®_rate2006 = Not Run

SPECint_rate_base2006 = 47.1

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	184	53.0	**179**	**54.5**	170	57.5							
401.bzip2	1	318	30.3	**311**	**31.1**	296	32.7							
403.gcc	1	141	56.9	**139**	**57.7**	138	58.3							
429.mcf	1	172	53.2	168	54.3	**168**	**54.1**							
445.gobmk	1	293	35.7	**291**	**36.0**	287	36.5							
456.hmmer	1	203	45.9	**200**	**46.5**	195	47.9							
458.sjeng	1	388	31.2	**364**	**33.2**	349	34.6							
462.libquantum	1	234	88.6	230	90.0	**231**	**89.8**							
464.h264ref	1	271	81.8	**251**	**88.2**	248	89.2							
471.omnetpp	1	253	24.7	**238**	**26.3**	234	26.7							
473.astar	1	242	29.1	**231**	**30.4**	230	30.5							
483.xalancbmk	1	109	63.3	**108**	**64.0**	105	65.9							

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 -O3 -ffast-math -funroll-loops -fomit-frame-pointer -ftree-vectorize -fprefetch-loop-arrays
C++ base flags: -std=c++03 -flto -O3 -ffast-math -funroll-loops  -fomit-frame-pointer -ftree-vectorize -fprefetch-loop-arrays
Fortran base flags: -O3 -ffast-math
```

Base Unknown Flags

400.perlbench: "gcc" (in CC) "gcc" (in LD)
"-include math.h" (in CPORTABILITY)
"-std=gnu89 -flto -O3 -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 -O3 -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 -O3 -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 -O3 -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 -O3 -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 -O3 -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 -O3 -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 -O3 -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 -O3 -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 -O3 -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 -O3 -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 -O3 -ffast-math -funroll-loops
-fomit-frame-pointer -ftree-vectorize
-fprefetch-loop-arrays" (in CXXOPTIMIZE)