

SPEC® CINT2006 Result

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Tyan

SPECint®_rate2006 = Not Run

Tyan Thunder KKQS Pro (S4882)

SPECint_rate_base2006 = 21.3

CPU2006 license #:	9999	Test sponsor:	Turbo Computers	Test date:	Dec-9999	Hardware Availability:	Dec-9999	Software Availability:	Dec-9999																	
	Copies	0	2.00	4.00	6.00	8.00	10.0	12.0	14.0	16.0	18.0	20.0	22.0	24.0	26.0	28.0	30.0	32.0	34.0	36.0	38.0	40.0	42.0	44.0	46.0	47.0
400.perlbench	1																									
401.bzip2	1																									
403.gcc	1																									
429.mcf	1																									
445.gobmk	1																									
456.hmmmer	1																									
458.sjeng	1																									
462.libquantum	1																									
464.h264ref	1																									
471.omnetpp	1																									
473.astar	1																									
483.xalancbmk	1																									

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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	Seconds	Ratio
400.perlbench	1	251	38.9	256	38.2	253	38.6									
401.bzip2	1	665	14.5	668	14.4	654	14.7									
403.gcc	1	240	33.5	245	32.9	240	33.5									
429.mcf	1	291	31.3	321	28.4	282	32.3									
445.gobmk	1	509	20.6	501	20.9	500	21.0									
456.hmmer	1	1080	8.61	1080	8.66	1080	8.68									
458.sjeng	1	596	20.3	591	20.5	591	20.5									
462.libquantum	1	449	46.2	452	45.8	456	45.4									
464.h264ref	1	701	31.6	693	31.9	691	32.0									
471.omnetpp	1	384	16.3	393	15.9	404	15.5									
473.astar	1	420	16.7	414	17.0	431	16.3									
483.xalancbmk	1	656	10.5	643	10.7	667	10.3									

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 -O0 -ffast-math -funroll-loops -fomit-frame-pointer -ftree-vectorize -fprefetch-loop-arrays

C++ base flags: -std=c++03 -flto -O0 -ffast-math -funroll-loops -fomit-frame-pointer -ftree-vectorize -fprefetch-loop-arrays

Fortran base flags: -O0 -ffast-math

Base Unknown Flags

400.perlbench: "gcc" (in CC) "gcc" (in LD)
"-include math.h" (in CPORTABILITY)
"-std=gnu89 -flto -O0 -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 -O0 -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 -O0 -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 -O0 -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 -O0 -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 -O0 -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 -O0 -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 -O0 -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 -O0 -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 -O0 -ffast-math -funroll-loops
-fomit-frame-pointer -ftree-vectorize
-fprefetch-loop-arrays" (in CXXOPTIMIZE)

473.ustar: "g++" (in CXX) "g++" (in LD)
"-std=c++03 -flto -O0 -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 -O0 -ffast-math -funroll-loops
-fomit-frame-pointer -ftree-vectorize
-fprefetch-loop-arrays" (in CXXOPTIMIZE)

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