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AMD EPYC 7313 16-Core + ASPEED + Supermicro H12SSL-i v1.01 (2.0 BIOS)

Various open-source benchmarks by the Phoronix Test Suite v10.4.0 (Ibestad).

Test Systems:

Toshiba KXG60ZNV1T02

Processor: AMD EPYC 7313 16-Core @ 3.00GHz (16 Cores / 32 Threads), Motherboard: Supermicro H12SSL-i v1.01 (2.0 BIOS), Chipset: AMD Starship/Matisse, Memory: 8 x 16384 MB DDR4-3200MT/s Samsung M393A2K43DB3-CWE, Disk: 1024GB Toshiba KXG60ZNV1T02 + 3 x 960GB SAMSUNG MZ7LH960 + 3 x 8002GB HUS728T8TAL5204 + 30GB Survivor 3.0, Graphics: ASPEED, Monitor: PLE2407HDS, Network: 2 x Broadcom NetXtreme BCM5720 PCIe + 2 x Mellanox MT27710

OS: Debian 10, Kernel: 4.19.0-17-amd64 (x86_64), Compiler: GCC 8.3.0 + Open64 PARSE ERROR: Argument:-dumpversion Couldn t find match for argumentBrief USAGE: opencc [--noflush] [-i] [-o] [-c] [--] [--version] [-h]For complete USAGE and HELP type: opencc--help, File-System: overlayfs, Screen Resolution: 1920x1080

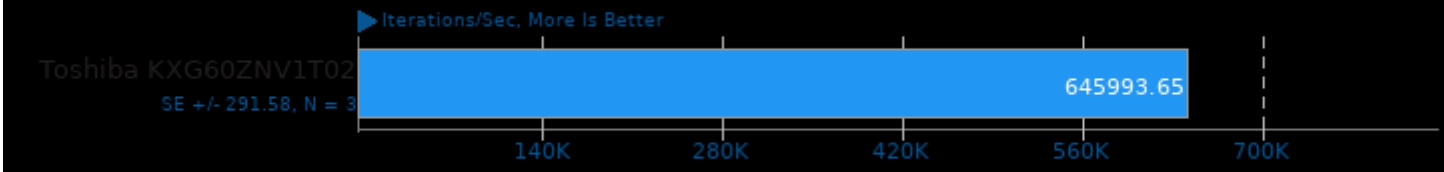
Kernel Notes: Transparent Huge Pages: always
Compiler Notes: --build=x86_64-linux-gnu --disable-vtable-verify --disable-werror --enable-bootstrap --enable-checking=release --enable-clocale=gnu --enable-default-pie

--enable-gnu-unique-object --enable-languages=c,ada,c++,go,brig,d,fortran,objc,obj-c++ --enable-libmpx --enable-libstdcxx-debug --enable-libstdcxx-time=yes --enable-multiarch --enable-multilib --enable-nls --enable-objc-gc=auto --enable-offload-targets=nvptx-none --enable-plugin --enable-shared --enable-threads=posix --host=x86_64-linux-gnu --program-prefix=x86_64-linux-gnu- --target=x86_64-linux-gnu --with-abi=m64 --with-arch-32=i686 --with-default-libstdcxx-abi=new --with-gcc-major-version-only --with-multilib-list=m32,m64,mx32 --with-target-system-zlib --with-tune=generic --without-cuda-driver -v
Processor Notes: Scaling Governor: acpi-cpufreq ondemand (Boost: Enabled) - CPU Microcode: 0xa001119
Disk Scheduler Notes: NONE
Python Notes: Segmentation fault + Python 3.7.3
Security Notes: itlb_multihit: Not affected + l1tf: Not affected + mds: Not affected + meltdown: Not affected + spec_store_bypass: Mitigation of SSB disabled via prctl and seccomp + spectre_v1: Mitigation of usercopy/swapgs barriers and __user pointer sanitization + spectre_v2: Mitigation of Full AMD retpoline IBPB: conditional IBRS_FW STIBP: always-on RSB filling + srbds: Not affected + tsx_async_abort: Not affected

	Toshiba KXG60ZNV1T02
Coremark - CoreMark Size 666 - I.P.S (Iterations/Sec)	645994
Standard Deviation	0.1%
hdparm Timed Disk Reads - /dev/sda (MB/s)	541.62
Standard Deviation	0%
Threaded I/O Tester - Write - 32MB - 4 (MB/s)	6446
Standard Deviation	5.9%
RAMspeed SMP - Copy - Integer (MB/s)	77494
Standard Deviation	0.2%
RAMspeed SMP - Copy - Floating Point (MB/s)	76421
Standard Deviation	0.4%
glibc bench - ffsll (nanoseconds)	2.82641
Standard Deviation	0%

Coremark 1.0

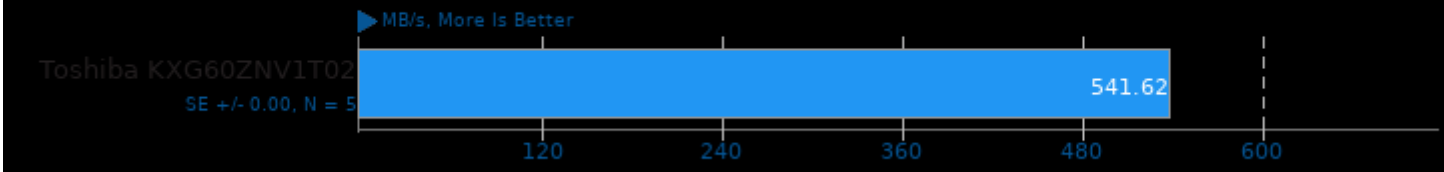
CoreMark Size 666 - Iterations Per Second



1. (CC) gcc options: -O2 -lrt" -lrt

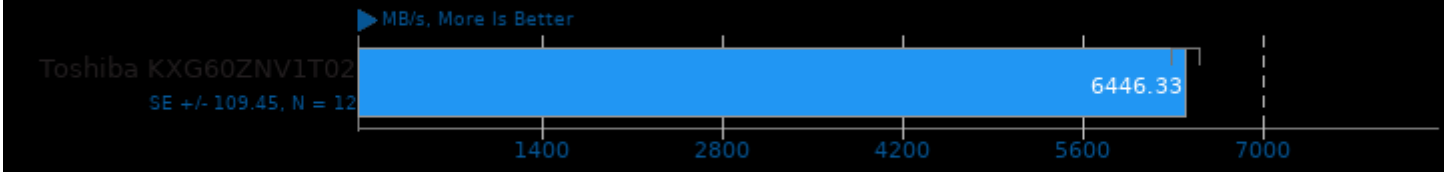
hdparm Timed Disk Reads

Disk To Read: /dev/sda



Threaded I/O Tester 20170503

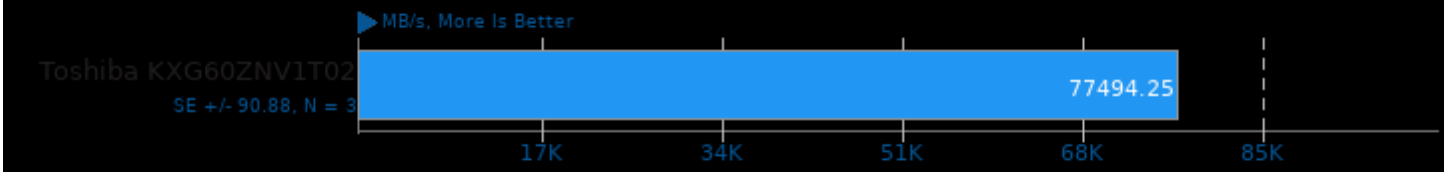
Test: Write - Size Per Threat: 32MB - Thread Count: 4



1. (CC) gcc options: -O2

RAMspeed SMP 3.5.0

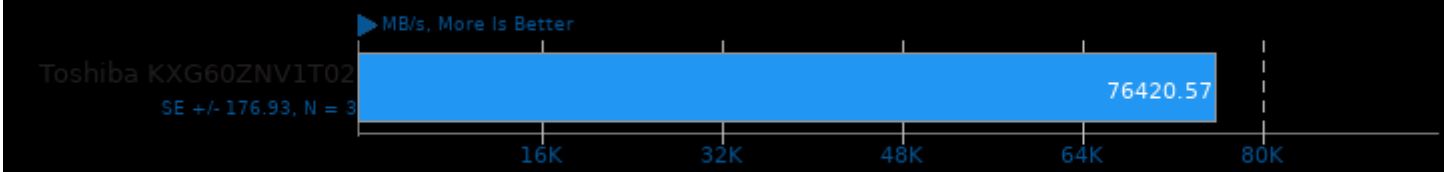
Type: Copy - Benchmark: Integer



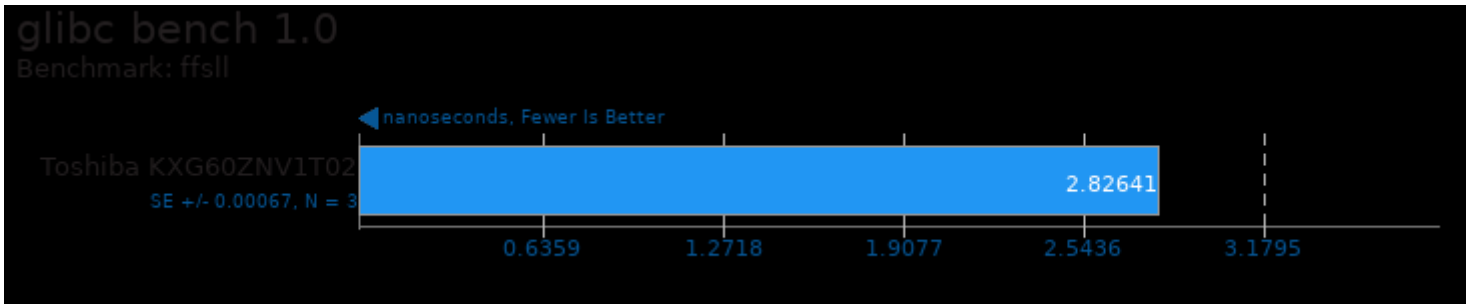
1. (CC) gcc options: -O3 -march=native

RAMspeed SMP 3.5.0

Type: Copy - Benchmark: Floating Point



1. (CC) gcc options: -O3 -march=native



This file was automatically generated via the Phoronix Test Suite benchmarking software on Thursday, 28 March 2024 16:06.