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AMD Ryzen 5 4600H Performance

Various open-source benchmarks by the Phoronix Test Suite v10.0.1 (Finnsnes).

Test Systems:

AMD Ryzen 5 4600H

Processor: AMD Ryzen 5 4600H @ 3.00GHz (6 Cores / 12 Threads), Motherboard: ASUS FA506IH v1.0 (FA506IH.311 BIOS), Chipset: AMD Renoir Root Complex, Memory: 8GB, Disk: 512GB Micron_2210_MTFDHBA512QFD, Graphics: ASUS NVIDIA TU117M 4GB, Audio: AMD Device 1637, Network: Realtek RTL8111/8168/8411 + Realtek RTL8822CE 802.11ac PCIe

OS: ManjaroLinux 20.2, Kernel: 5.9.16-1-MANJARO (x86_64), Desktop: Xfce 4.14, Display Server: X Server 1.20.10, Display Driver: modesetting 1.20.10, OpenGL: 4.6 Mesa 20.3.1 (LLVM 11.0.0), Compiler: GCC 10.2.0, File-System: ext4, Screen Resolution: 1920x1080

Compiler Notes: --disable-libssp --disable-libstdcxx-pch --disable-libunwind-exceptions --disable-werror --enable-__cxa_atexit --enable-cet=auto --enable-checking=release --enable-clocale=gnu --enable-default-pie --enable-default-ssp --enable-gnu-indirect-function --enable-gnu-unique-object --enable-install-libiberty --enable-languages=c,c++,ada,fortran,go,lto,objc,obj-c++,d --enable-lto --enable-multilib --enable-plugin --enable-shared --enable-threads=posix --mandir=/usr/share/man

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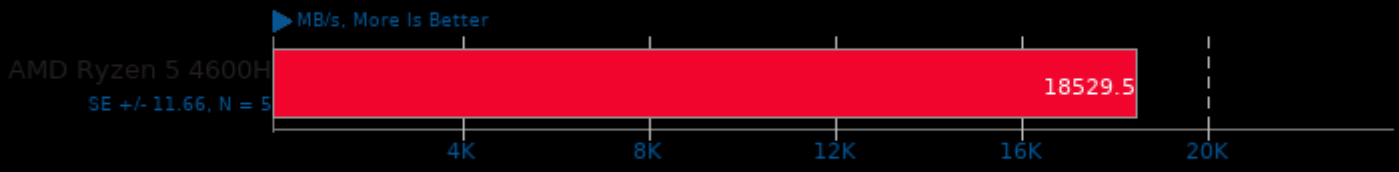
--with-isl --with-linker-hash-style=gnu
Processor Notes: Scaling Governor: acpi-cpufreq schedutil - CPU Microcode: 0x8600104
Python Notes: Python 3.9.1
Security Notes: itlb_multihit: Not affected + l1tf: Not affected + mds: Not affected + meltdown: Not affected + spec_store_bypass: Mitigation of SSB 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: conditional RSB filling + srbds: Not affected + tsx_async_abort: Not affected

	AMD Ryzen 5 4600H
Stream - Copy (MB/s)	18530
Standard Deviation	0.1%
John The Ripper - Blowfish (Real C/S)	9654
Standard Deviation	0.8%
John The Ripper - MD5 (Real C/S)	602534
Standard Deviation	2.7%
Intel Open Image Denoise - Memorial (Images / Sec)	4.85
Standard Deviation	1.3%
glibc bench - ffsll (nanoseconds)	1.98663
Standard Deviation	0.2%
PHP Micro Benchmarks - Zend bench (sec)	0.377
Standard Deviation	1.8%
PHP Micro Benchmarks - Zend micro_bench (sec)	1.711
Standard Deviation	0.7%
Unpacking Firefox - firefox-84.0.source.tar.xz (sec)	20.739
Standard Deviation	1%

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Stream 2013-01-17

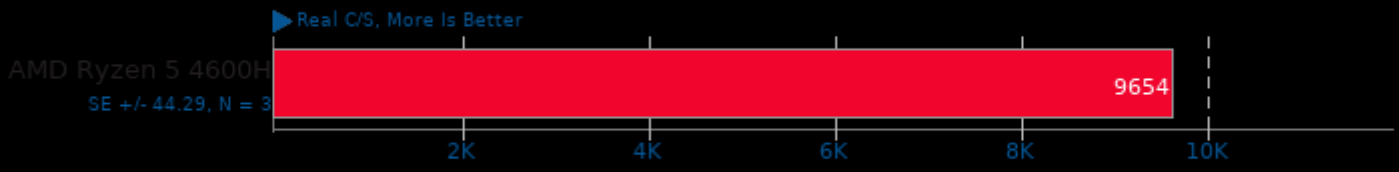
Type: Copy



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

John The Ripper 1.9.0-jumbo-1

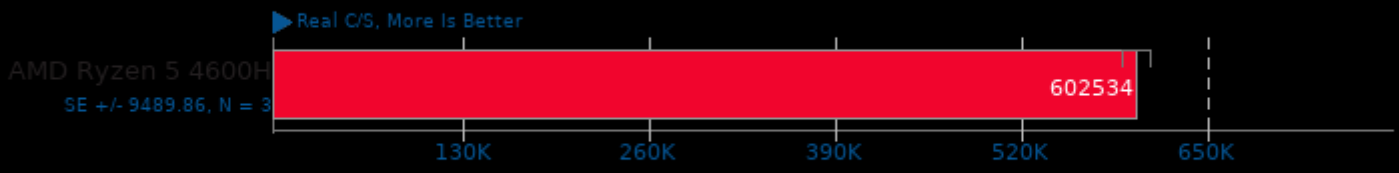
Test: Blowfish



1. (CC) gcc options: -m64 -lssl -lcrypto -fopenmp -lgmp -pthread -lm -lz -ldl -lcrypt -lbz2

John The Ripper 1.9.0-jumbo-1

Test: MD5



1. (CC) gcc options: -m64 -lssl -lcrypto -fopenmp -lgmp -pthread -lm -lz -ldl -lcrypt -lbz2

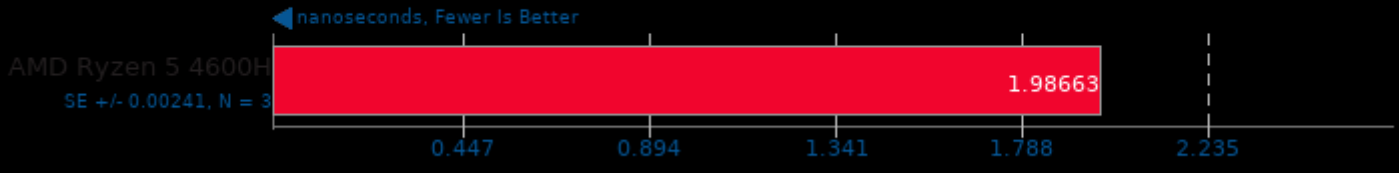
Intel Open Image Denoise 1.2.0

Scene: Memorial

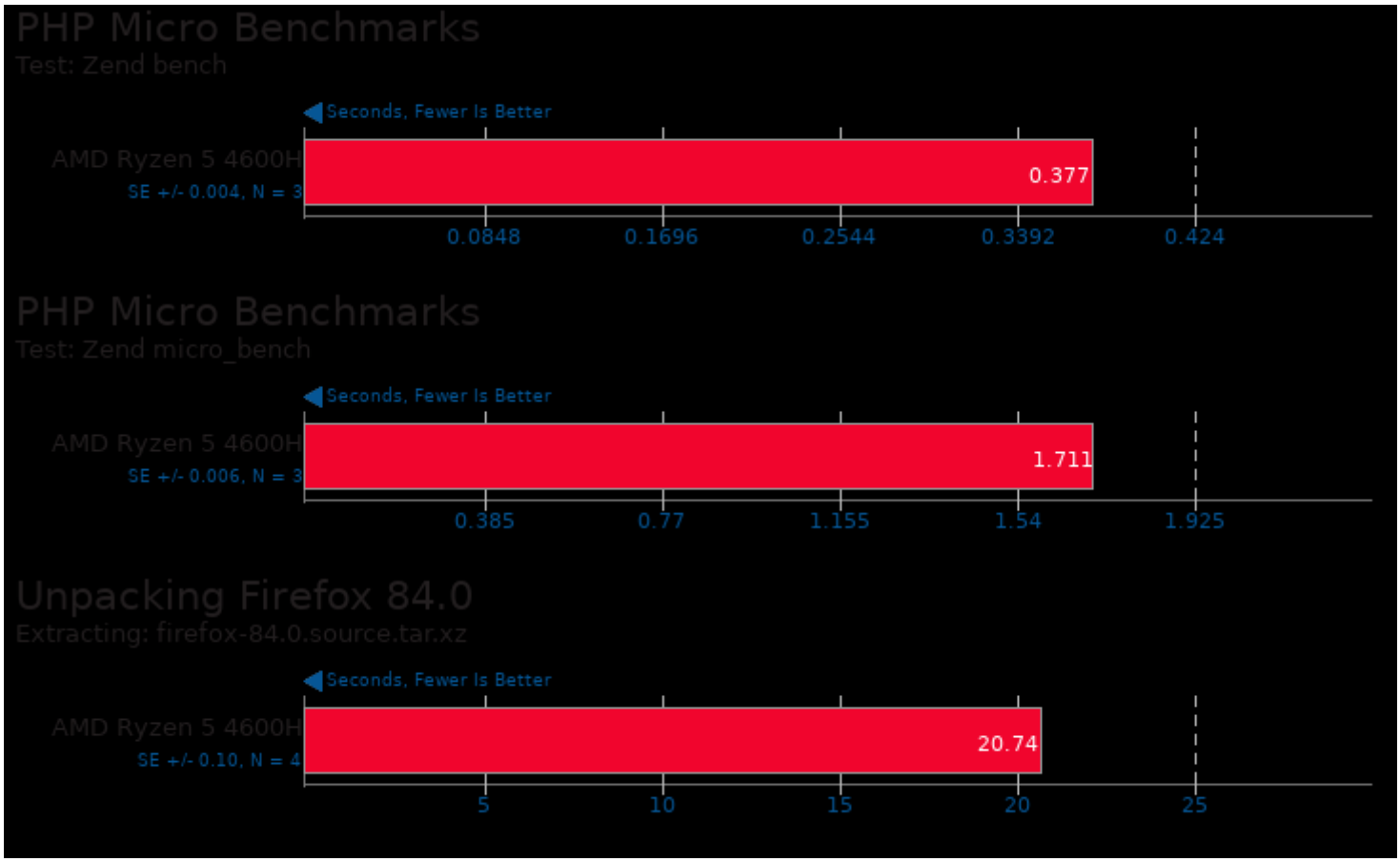


glibc bench 1.0

Benchmark: ffsll



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This file was automatically generated via the Phoronix Test Suite benchmarking software on Thursday, 28 March 2024 17:54.