www.phoronix-test-suite.com

debian-testing-standard56-memory

AMD FX-6100 Six-Core testing with a ASUS M5A78L-M LX (0901 BIOS) and ASUS NVIDIA GeForce GTX 960 4GB on Debian testing via the Phoronix Test Suite.

Test Systems:

debian-testing-standard56-memory

Processor: AMD FX-6100 Six-Core @ 3.30GHz (3 Cores / 6 Threads), Motherboard: ASUS M5A78L-M LX (0901 BIOS), Chipset: AMD RS780 + SB7x0/SB8x0/SB9x0, Memory: 8GB, Disk: 1500GB Seagate ST1500DL003-9VT1, Graphics: ASUS NVIDIA GeForce GTX 960 4GB (699/1701MHz), Audio: Realtek ALC887-VD, Monitor: Philips FTV, Network: Realtek RTL8111/8168/8411

OS: Debian testing, Kernel: 5.6.0-2-amd64 (x86_64), Desktop: GNOME Shell 3.36.3, Display Server: X Server 1.20.8, Display Driver: NVIDIA 390.132, OpenGL: 4.6.0, Compiler: GCC 9.3.0, File-System: ext4, Screen Resolution: 1920x1080

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++,gm2 --enable-libstdcxx-debug --enable-libstdcxx-time=yes --enable-link-mutex

debian-testing-standard56-memory

--enable-multiarch --enable-multilib --enable-nls --enable-objc-gc=auto --enable-offload-targets=nvptx-none=/build/gcc-9-aHzuVo/gcc-9-9.3.0/debian/tmp-nvptx/usr,hsa --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-build-config=bootstrap-lto-lean --with-default-libstdcxx-abi=new --with-gcc-major-version-only --with-multilib-list=m32,m64,mx32 --with-target-system-zlib=auto --with-tune=generic --without-cuda-driver -v
Processor Notes: Scaling Governor: acpi-cpufreq ondemand - CPU Microcode: 0x600063e
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 STIBP: disabled RSB filling + srbds: Not affected + tsx_async_abort: Not affected

	debian-testing-standard56-mem
RAMspeed SMP - Add - Integer (MB/s)	10804
Standard Deviation	0.1%
RAMspeed SMP - Copy - Integer (MB/s)	9863
Standard Deviation	0.1%
RAMspeed SMP - Scale - Integer (MB/s)	9017
Standard Deviation	0.3%
RAMspeed SMP - Triad - Integer (MB/s)	10331
Standard Deviation	1.6%
RAMspeed SMP - Average - Integer (MB/s)	9664
Standard Deviation	0.1%
RAMspeed SMP - Add - Floating Point (MB/s)	10376
Standard Deviation	0.6%
RAMspeed SMP - Copy - Floating Point (MB/s)	9477
Standard Deviation	1.3%
RAMspeed SMP - Scale - Floating Point (MB/s)	9388
Standard Deviation	0.6%
RAMspeed SMP - Triad - Floating Point (MB/s)	10391
Standard Deviation	0.2%
RAMspeed SMP - Average - Floating Point (MB/s)	10245
Standard Deviation	1.2%
Stream - Copy (MB/s)	15975
Standard Deviation	1.2%
Stream - Scale (MB/s)	10047
Standard Deviation	0.7%
Stream - Triad (MB/s)	11318
Standard Deviation	0.3%
Stream - Add (MB/s)	11313
Standard Deviation	0.3%
Tinymembench - Standard Memcpy (MB/s)	6003
Standard Deviation	0.2%
Tinymembench - Standard Memset (MB/s)	5989
Standard Deviation	0.4%
MBW - Memory Copy - 1024 MiB (MiB/s)	5199
Standard Deviation	0.1%
MBW - M.C.F.B.S - 1024 MiB (MiB/s)	3376
Standard Deviation	0.4%
t-test1 - 1 (sec)	43.634
Standard Deviation	1.4%
t-test1 - 2 (sec)	15.924
Standard Deviation	0.1%
CacheBench - Read Cache (MB/s)	1624
Standard Deviation	0.1%

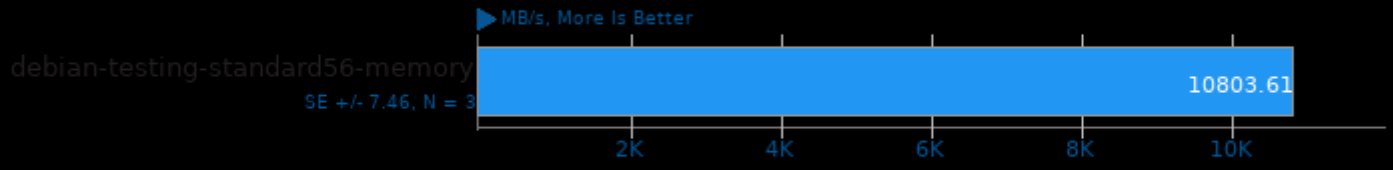
debian-testing-standard56-memory

CacheBench - Write Cache (MB/s) 9621

Standard Deviation 0.1%

RAMspeed SMP 3.5.0

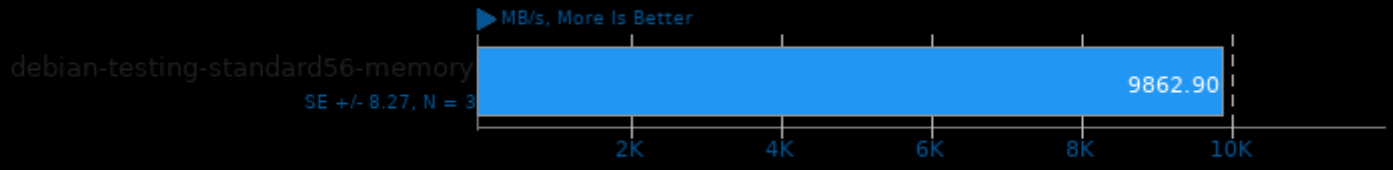
Type: Add - Benchmark: Integer



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

RAMspeed SMP 3.5.0

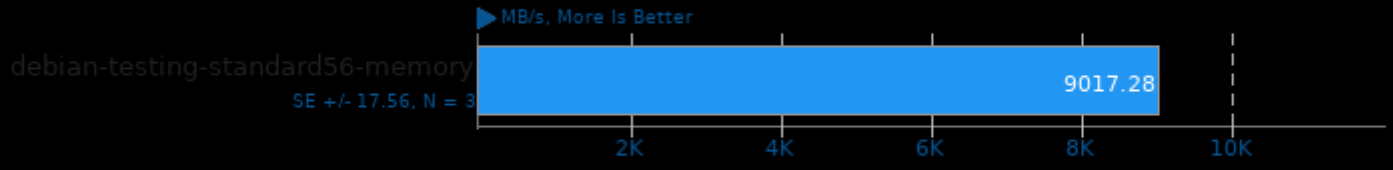
Type: Copy - Benchmark: Integer



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

RAMspeed SMP 3.5.0

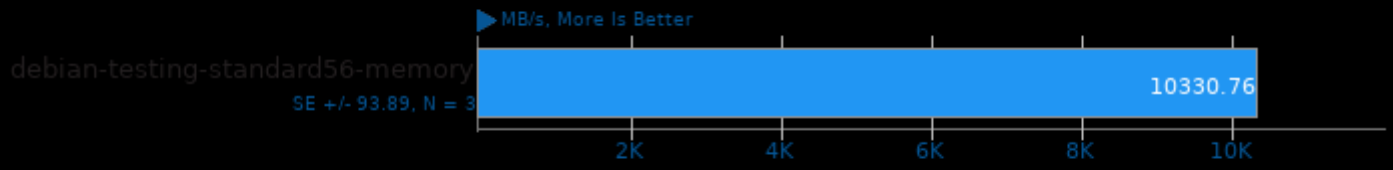
Type: Scale - Benchmark: Integer



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

RAMspeed SMP 3.5.0

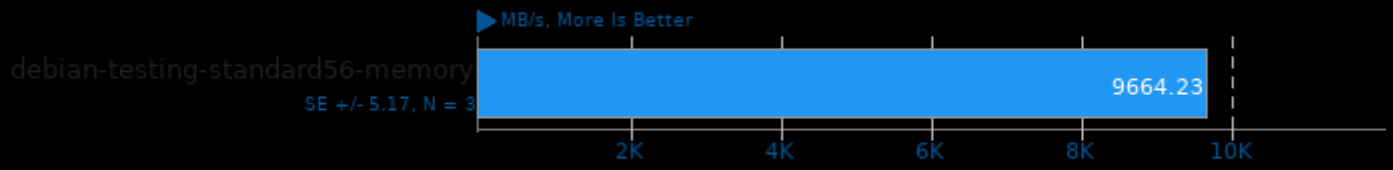
Type: Triad - Benchmark: Integer



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

RAMspeed SMP 3.5.0

Type: Average - Benchmark: Integer

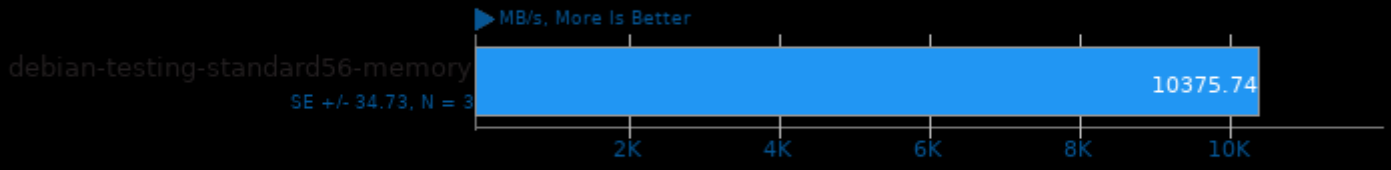


1. (CC) gcc options: -O3 -march=native

debian-testing-standard56-memory

RAMspeed SMP 3.5.0

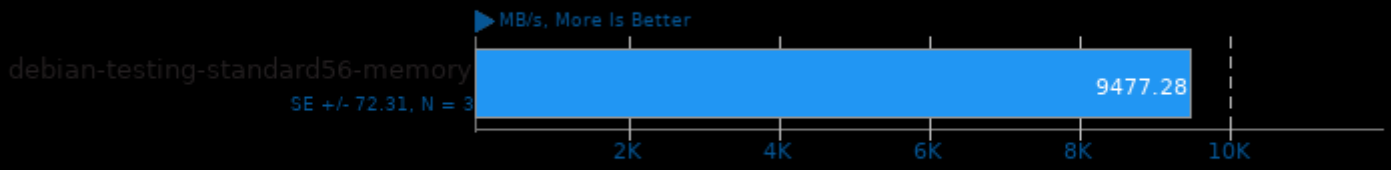
Type: Add - Benchmark: Floating Point



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

RAMspeed SMP 3.5.0

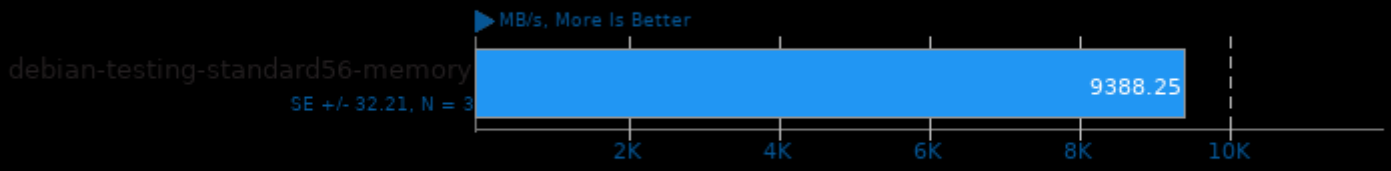
Type: Copy - Benchmark: Floating Point



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

RAMspeed SMP 3.5.0

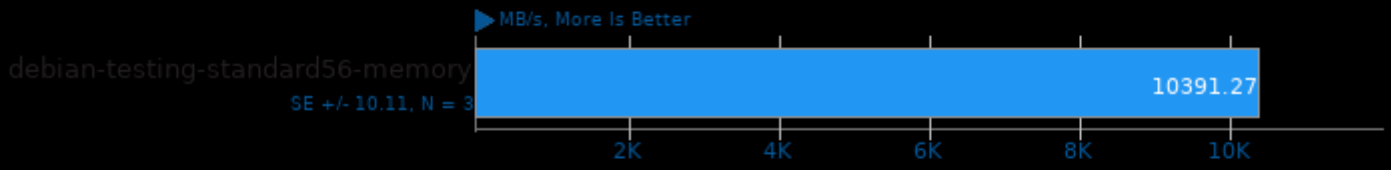
Type: Scale - Benchmark: Floating Point



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

RAMspeed SMP 3.5.0

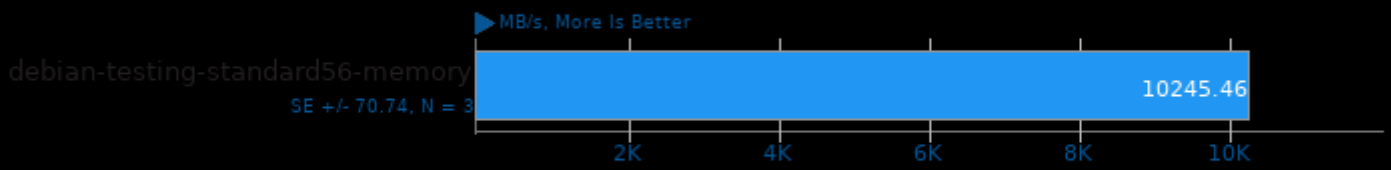
Type: Triad - Benchmark: Floating Point



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

RAMspeed SMP 3.5.0

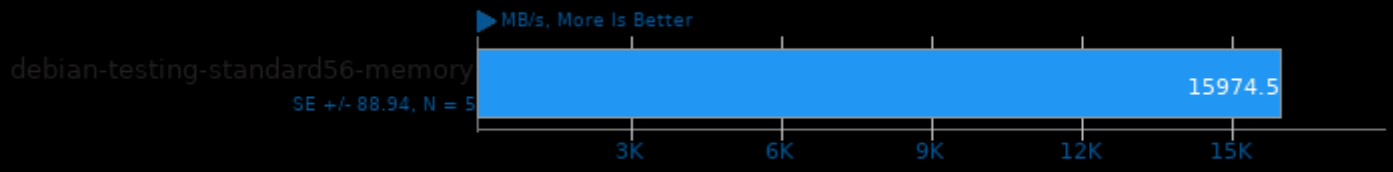
Type: Average - Benchmark: Floating Point



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

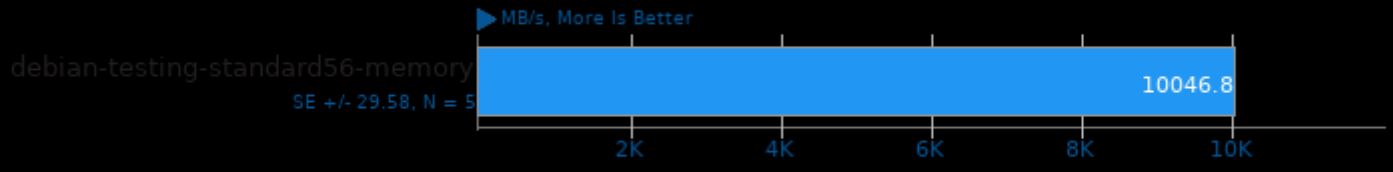
debian-testing-standard56-memory

Stream 2013-01-17
Type: Copy



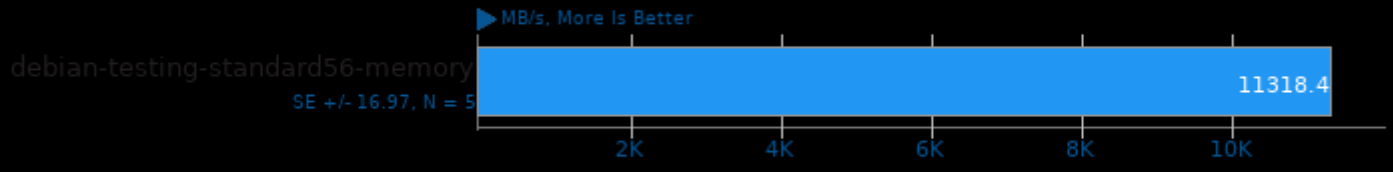
1. (CC) gcc options: -O3 -march=native -fopenmp

Stream 2013-01-17
Type: Scale



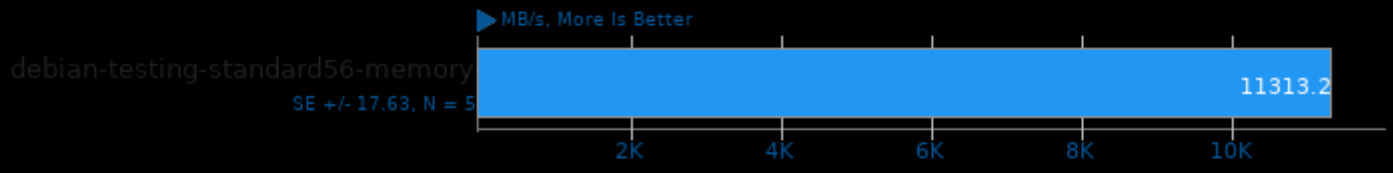
1. (CC) gcc options: -O3 -march=native -fopenmp

Stream 2013-01-17
Type: Triad



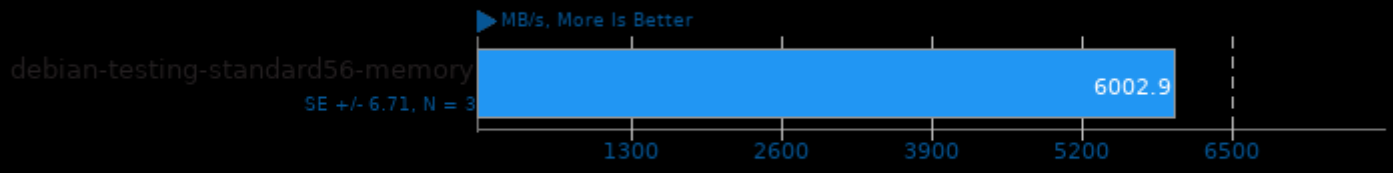
1. (CC) gcc options: -O3 -march=native -fopenmp

Stream 2013-01-17
Type: Add



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

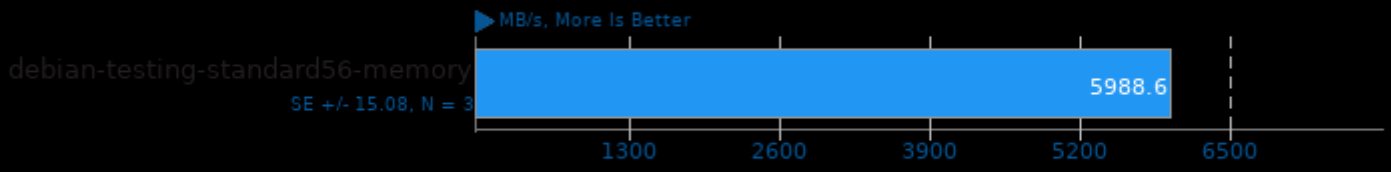
Tinymembench 2018-05-28
Standard Memcpy



1. (CC) gcc options: -O2 -lm

Tinymembench 2018-05-28

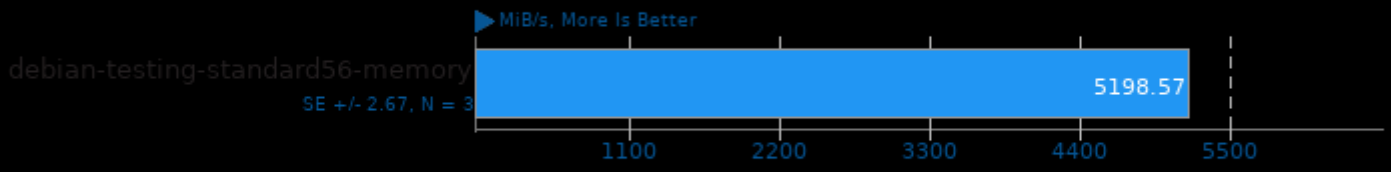
Standard Memset



1. (CC) gcc options: -O2 -lm

MBW 2018-09-08

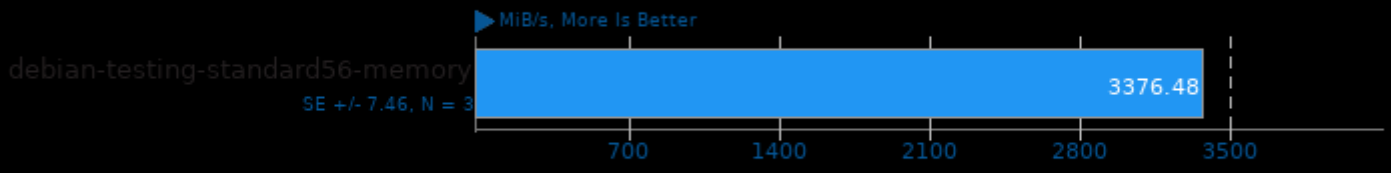
Test: Memory Copy - Array Size: 1024 MiB



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

MBW 2018-09-08

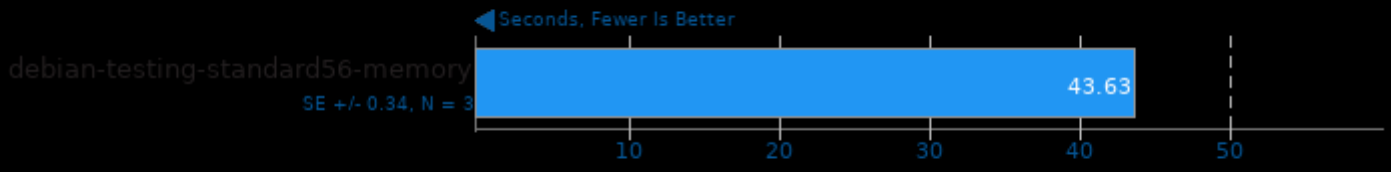
Test: Memory Copy, Fixed Block Size - Array Size: 1024 MiB



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

t-test1 2017-01-13

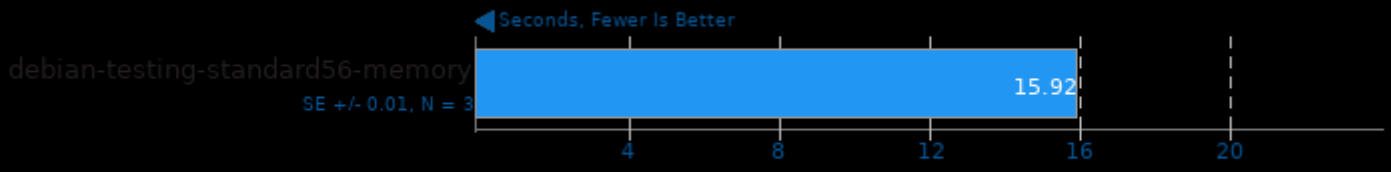
Threads: 1



1. (CC) gcc options: -pthread

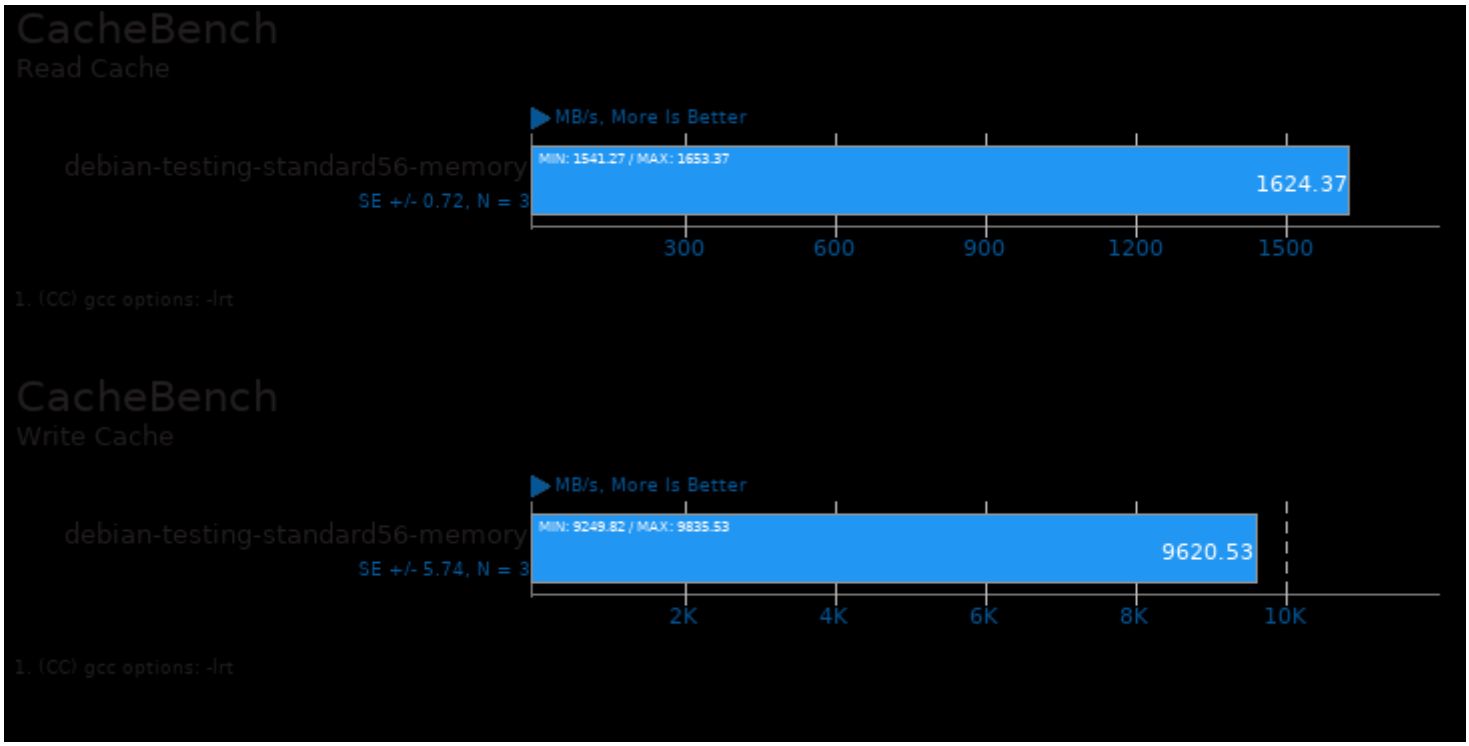
t-test1 2017-01-13

Threads: 2



1. (CC) gcc options: -pthread

debian-testing-standard56-memory



This file was automatically generated via the Phoronix Test Suite benchmarking software on Thursday, 28 March 2024 20:01.