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ramspeed-20200419-2133

AMD Ryzen Threadripper 1900X 8-Core testing with a ASRock X399 Taichi (P3.90 BIOS) and eVGA NVIDIA GeForce GTX 1060 3GB on Ubuntu 19.10 via the Phoronix Test Suite.

Test Systems:

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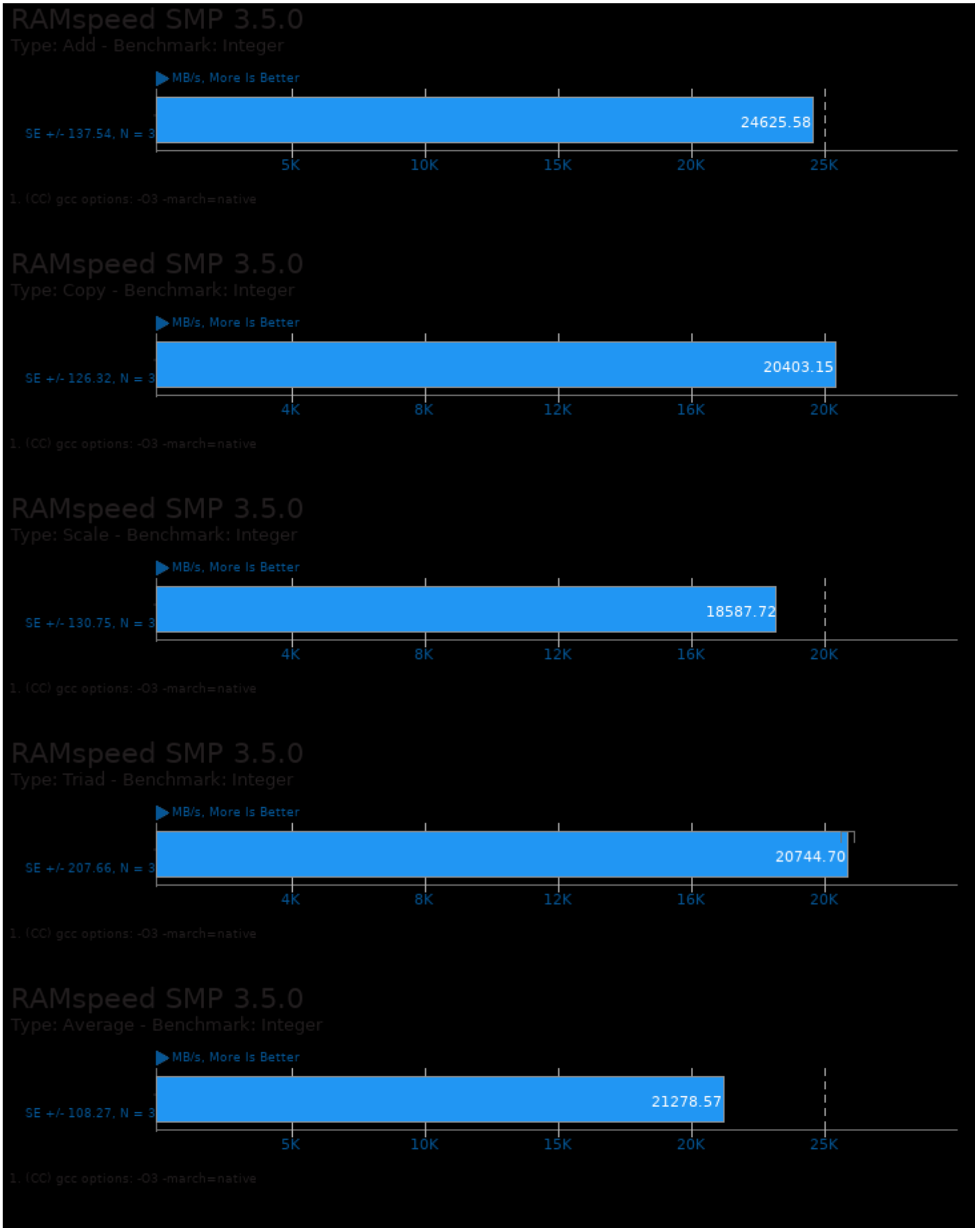
Processor: AMD Ryzen Threadripper 1900X 8-Core @ 3.80GHz (8 Cores / 16 Threads), Motherboard: ASRock X399 Taichi (P3.90 BIOS), Chipset: AMD 17h, Memory: 32768MB, Disk: Samsung SSD 970 EVO 250GB + 2000GB HP SSD EX950 2TB + 750GB Western Digital WD7502AAEX-0 + 32GB USB SD Reader + 3001GB Seagate ST3000DM008-2DM1, Graphics: eVGA NVIDIA GeForce GTX 1060 3GB (1632/4006MHz), Audio: Realtek ALC1220, Network: 2 x Intel I211 + Intel Dual Band-AC 3168NGW

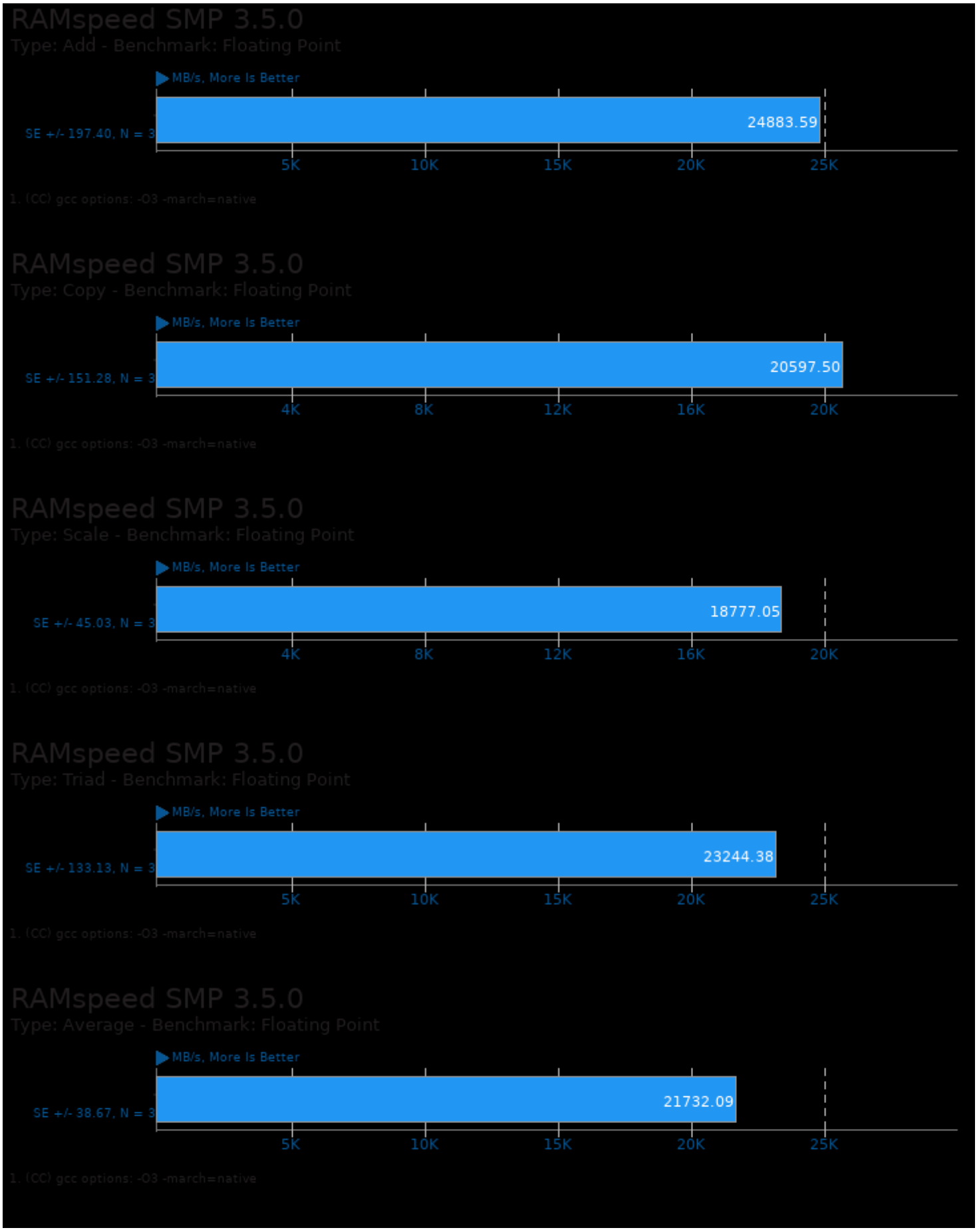
OS: Ubuntu 19.10, Kernel: 5.3.0-46-generic (x86_64), Desktop: KDE Plasma 5.16.5, Display Server: X Server 1.20.5, Display Driver: NVIDIA 430.50, OpenGL: 4.6.0, Vulkan: 1.1.99, Compiler: GCC 9.2.1 20191008, File-System: ext4, Screen Resolution: 3840x2160

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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-multiarch --enable-multilib --enable-nls --enable-offload-targets=nvptx-none,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-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: 0x8001137
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 + tsx_async_abort: Not affected

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RAMspeed SMP - Add - Integer (MB/s)	24626
Standard Deviation	1%
RAMspeed SMP - Copy - Integer (MB/s)	20403
Standard Deviation	1.1%
RAMspeed SMP - Scale - Integer (MB/s)	18588
Standard Deviation	1.2%
RAMspeed SMP - Triad - Integer (MB/s)	20745
Standard Deviation	1.7%
RAMspeed SMP - Average - Integer (MB/s)	21279
Standard Deviation	0.9%
RAMspeed SMP - Add - Floating Point (MB/s)	24884
Standard Deviation	1.4%
RAMspeed SMP - Copy - Floating Point (MB/s)	20598
Standard Deviation	1.3%
RAMspeed SMP - Scale - Floating Point (MB/s)	18777
Standard Deviation	0.4%
RAMspeed SMP - Triad - Floating Point (MB/s)	23244
Standard Deviation	1%
RAMspeed SMP - Average - Floating Point (MB/s)	21732
Standard Deviation	0.3%


RAMspeed SMP 3.5.0
Type: Add - Benchmark: Integer
MB/s, More Is Better
SE +/- 137.54, N = 3
24625.58
5K
10K
15K
20K
25K
1. (CC) gcc options: -O3 -march=native
RAMspeed SMP 3.5.0
Type: Copy - Benchmark: Integer
MB/s, More Is Better
SE +/- 126.32, N = 3
20403.15
4K
8K
12K
16K
20K
1. (CC) gcc options: -O3 -march=native
RAMspeed SMP 3.5.0
Type: Scale - Benchmark: Integer
MB/s, More Is Better
SE +/- 130.75, N = 3
18587.72
4K
8K
12K
16K
20K
1. (CC) gcc options: -O3 -march=native
RAMspeed SMP 3.5.0
Type: Triad - Benchmark: Integer
MB/s, More Is Better
SE +/- 207.66, N = 3
20744.70
4K
8K
12K
16K
20K
1. (CC) gcc options: -O3 -march=native
RAMspeed SMP 3.5.0
Type: Average - Benchmark: Integer
MB/s, More Is Better
SE +/- 108.27, N = 3
21278.57
5K
10K
15K
20K
25K
1. (CC) gcc options: -O3 -march=native


RAMspeed SMP 3.5.0
Type: Add - Benchmark: Floating Point
MB/s, More Is Better
SE +/- 197.40, N = 3
24883.59
5K
10K
15K
20K
25K
1. (CC) gcc options: -O3 -march=native
RAMspeed SMP 3.5.0
Type: Copy - Benchmark: Floating Point
MB/s, More Is Better
SE +/- 151.28, N = 3
20597.50
4K
8K
12K
16K
20K
1. (CC) gcc options: -O3 -march=native
RAMspeed SMP 3.5.0
Type: Scale - Benchmark: Floating Point
MB/s, More Is Better
SE +/- 45.03, N = 3
18777.05
4K
8K
12K
16K
20K
1. (CC) gcc options: -O3 -march=native
RAMspeed SMP 3.5.0
Type: Triad - Benchmark: Floating Point
MB/s, More Is Better
SE +/- 133.13, N = 3
23244.38
5K
10K
15K
20K
25K
1. (CC) gcc options: -O3 -march=native
RAMspeed SMP 3.5.0
Type: Average - Benchmark: Floating Point
MB/s, More Is Better
SE +/- 38.67, N = 3
21732.09
5K
10K
15K
20K
25K
1. (CC) gcc options: -O3 -march=native

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This file was automatically generated via the Phoronix Test Suite benchmarking software on Thursday, 28 March 2024 08:10.