

www.phoronix-test-suite.com

20210721d

ARMv8 Neoverse-N1 testing with a GIGABYTE MP32-AR0-00 v01000100 (F13 SCP: 1.4.20210223 BIOS) and ASPEED on Ubuntu 21.04 via the Phoronix Test Suite.

Test Systems:

run with Ampere gcc 9.3.0

Processor: ARMv8 Neoverse-N1 @ 2.80GHz (80 Cores), Motherboard: GIGABYTE MP32-AR0-00 v01000100 (F13 SCP: 1.4.20210223 BIOS), Chipset: Ampere Computing LLC Altra PCI Root Complex A, Memory: 16 x GB DDR4-3200MT/s Samsung M393A2K43DB3-CWE, Disk: 2 x Samsung SSD 980 PRO 500GB + 2 x 32GB V4-CT032V4SSD2, Graphics: ASPEED, Monitor: HL229DPB, Network: 2 x Intel I350

OS: Ubuntu 21.04, Kernel: 5.11.0-22-generic (aarch64), Vulkan: 1.0.2, Compiler: GCC 9.3.0, File-System: ext4, Screen Resolution: 1920x1080

Kernel Notes: Transparent Huge Pages: madvise
Compiler Notes: --disable-libsanitizer --enable-__cxa_atexit --enable-gold --enable-languages=c,c++,fortran,objc --enable-lto --enable-shared --enable-threads=posix --host=aarch64-ampere-linux-gnu --target=aarch64-ampere-linux-gnu --with-abi=lp64

--with-build-sysroot=/home/jenkins/workspace/armv8/ampere-9.3.0/build/ampere-9.3.0-20200410/nativetools//opt/ampere-aarch64/ampere-9.3.0-20200410/aarch64-ampere-linux-gnu/sysroot --with-cpu=neoverse-n1 --with-gmp=/home/jenkins/workspace/armv8/ampere-9.3.0/build/ampere-9.3.0-20200410/obj/gmp-aarch64-install --with-host-libstdcxx='-static-libgcc --with-mpc=/home/jenkins/workspace/armv8/ampere-9.3.0/build/ampere-9.3.0-20200410/obj/mpc-aarch64-install --with-mpfr=/home/jenkins/workspace/armv8/ampere-9.3.0/build/ampere-9.3.0-20200410/obj/mpfr-aarch64-install --with-multilib-list=lp64 -Wl,-Bstatic,-lstdc++,-Bdynamic -lm'

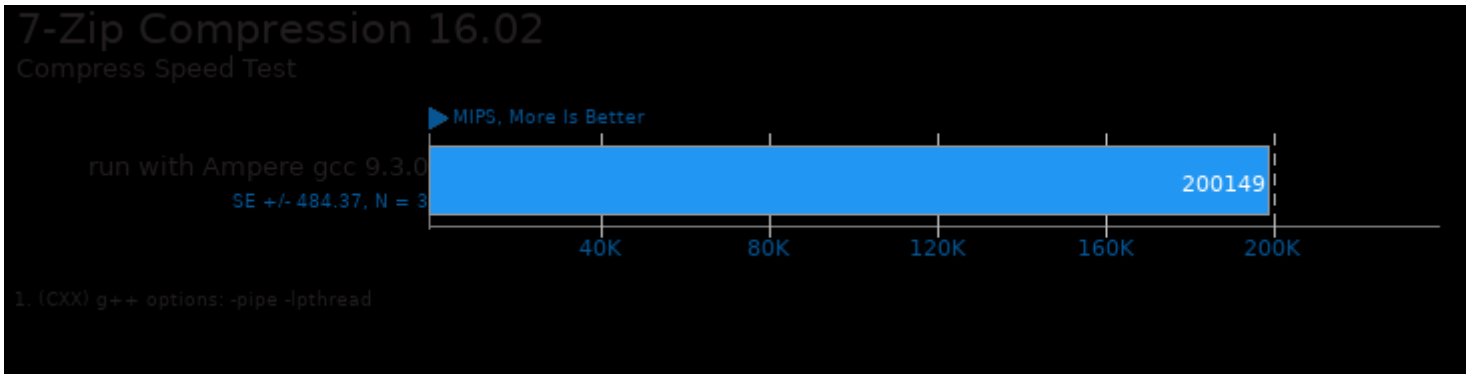
Processor Notes: Scaling Governor: cppc_cpufreq performance (Boost: Enabled)

Security Notes: itlb_multihit: Not affected + l1tf: Not affected + mds: Not affected + meltdown: Not affected + spec_store_bypass: Mitigation of SSB disabled via prctl + spectre_v1: Mitigation of __user pointer sanitization + spectre_v2: Not affected + srbds: Not affected + tsx_async_abort: Not affected

run with Ampere gcc 9.3.0

7-Zip Compression - C.S.T (MIPS) 200149

Standard Deviation 0.4%



This file was automatically generated via the Phoronix Test Suite benchmarking software on Thursday, 28 March 2024 11:53.