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a100-hashcat

2 x AMD EPYC 7742 64-Core testing with a NVIDIA DGXA100 v555.06901.0004 (0.34 BIOS) and ASPEED 40GB on Ubuntu 20.04 via the Phoronix Test Suite.

Test Systems:

ASPEED

Processor: 2 x AMD EPYC 7742 64-Core @ 2.25GHz (128 Cores / 256 Threads), Motherboard: NVIDIA DGXA100 v555.06901.0004 (0.34 BIOS), Chipset: AMD Starship/Matisse, Memory: 16 x 64 GB DDR4-3200MT/s 36ASF8G72PZ-3G2B2, Disk: 4 x 3841GB SAMSUNG MZWLJ3T8HBLS-00007 + 2 x 1920GB SAMSUNG MZ1LB1T9HALS-00007, Graphics: ASPEED 40GB, Network: 2 x Intel 82599ES 10-Gigabit SFI/SFP+ + 3 x Mellanox MT28908 + Intel I210

OS: Ubuntu 20.04, Kernel: 5.4.0-80-generic (x86_64), Display Server: X Server, Display Driver: NVIDIA, OpenCL: OpenCL 1.2 CUDA 11.2.109, Compiler: GCC 9.3.0 + CUDA 11.2, File-System: ext4, Screen Resolution: 800x600

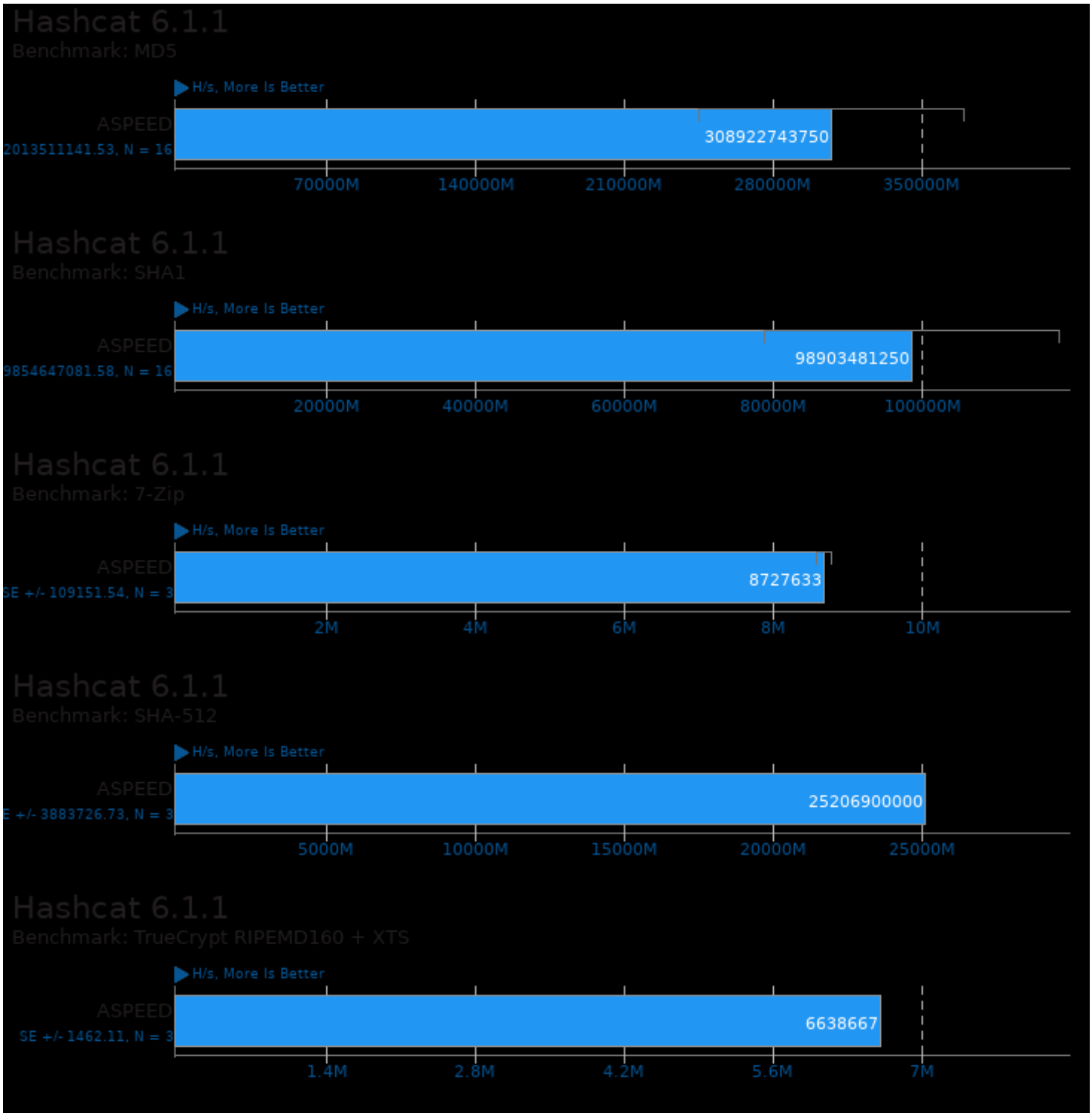
Kernel Notes: Transparent Huge Pages: madvise
Processor Notes: Scaling Governor: acpi-cpufreq performance (Boost: Enabled) - CPU Microcode: 0x8301034

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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

	ASPEED
Hashcat - MD5 (H/s)	308922743750
Standard Deviation	80.3%
Hashcat - SHA1 (H/s)	98903481250
Standard Deviation	80.3%
Hashcat - 7-Zip (H/s)	8727633
Standard Deviation	2.2%
Hashcat - SHA-512 (H/s)	25206900000
Standard Deviation	0%
Hashcat - T.R.X (H/s)	6638667
Standard Deviation	0%

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