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Intel Xeon E-2288G testing with a Compulab SBC-ATCFL v1.2 (ATOP3.PRD.0.29.2 BIOS) and NVIDIA Quadro RTX 4000 8GB on Ubuntu 20.10 via the Phoronix Test Suite.

Test Systems:

A

B

C

Processor: Intel Xeon E-2288G @ 5.00GHz (8 Cores / 16 Threads), Motherboard: Compulab SBC-ATCFL v1.2 (ATOP3.PRD.0.29.2 BIOS), Chipset: Intel Cannon Lake PCH, Memory: 2 x 32 GB DDR4-2667MT/s Samsung M378A4G43MB1-CTD, Disk: Samsung SSD 970 EVO Plus 250GB, Graphics: NVIDIA Quadro RTX 4000 8GB, Audio: Intel Cannon Lake PCH cAVS, Network: Intel I219-LM + Intel I210

OS: Ubuntu 20.10, Kernel: 5.8.0-63-generic (x86_64), Desktop: GNOME Shell 3.38.3, Display Server: X Server 1.20.9,

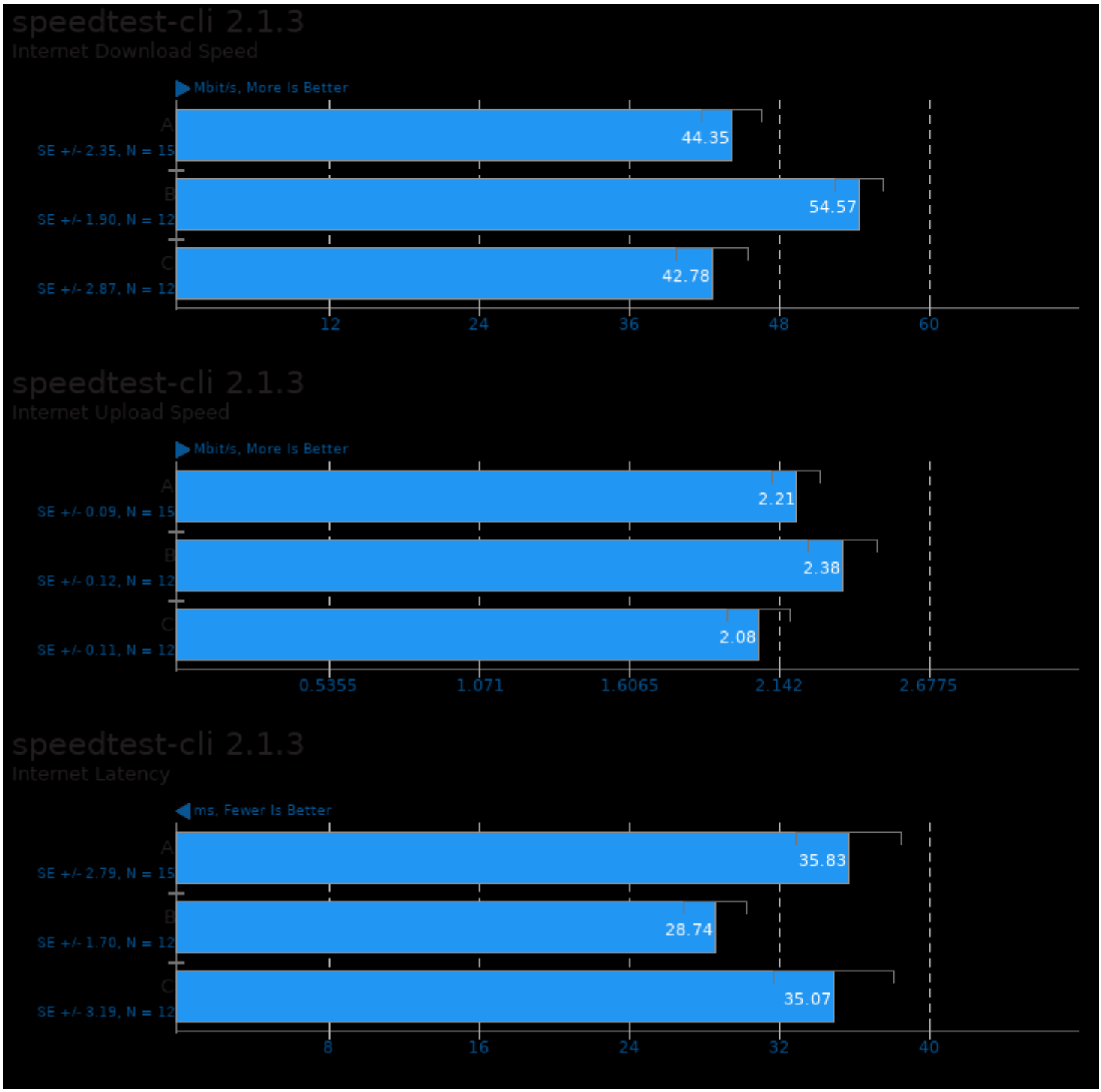
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Display Driver: NVIDIA, OpenCL: OpenCL 1.2 CUDA 11.2.162, Vulkan: 1.2.155, Compiler: GCC 12.0.1 20220125, File-System: ext4, Screen Resolution: 1920x1080

Kernel Notes: Transparent Huge Pages: madvise
Processor Notes: Scaling Governor: intel_pstate powersave (EPP: balance_performance) - CPU Microcode: 0xea - Thermald 2.3
Python Notes: Python 3.8.10
Security Notes: itlb_multihit: KVM: Mitigation of VMX disabled + 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 Enhanced IBRS IBPB: conditional RSB filling + srbds: Mitigation of TSX disabled + tsx_async_abort: Mitigation of TSX disabled

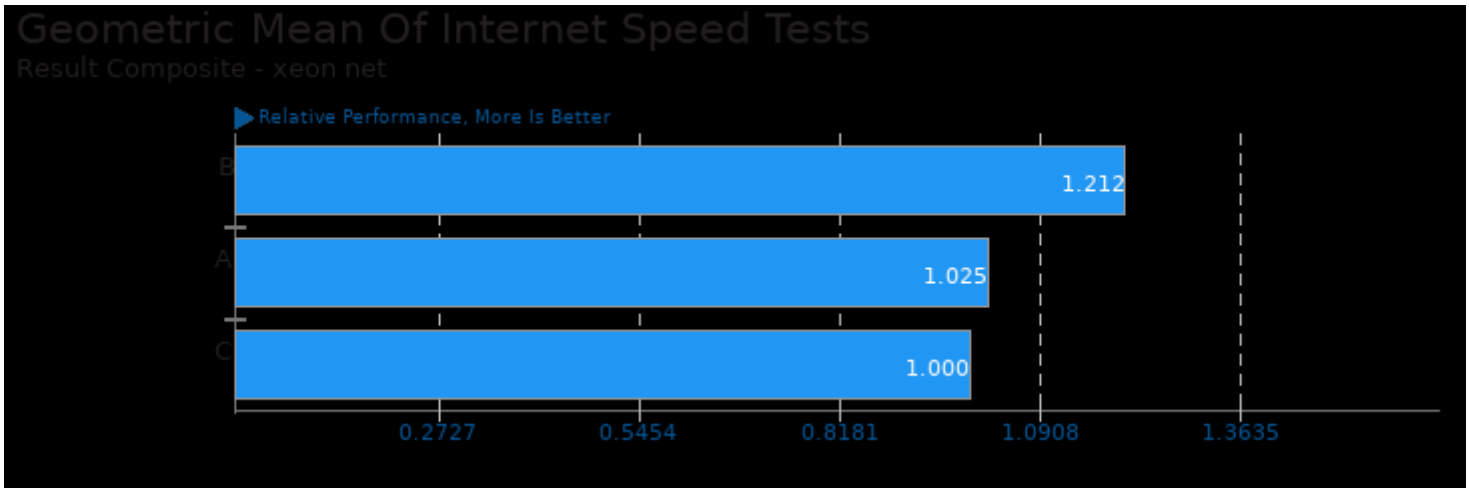
	A	B	C
speedtest-cli - I.D.S (Mbit/s)	44.35	**54.57**	**42.78**
Normalized	81.27%	100%	78.39%
Standard Deviation	20.5%	12.1%	23.2%
speedtest-cli - I.U.S (Mbit/s)	2.21	**2.38**	**2.08**
Normalized	92.86%	100%	87.39%
Standard Deviation	15%	17.6%	18.5%
speedtest-cli - Internet Latency (ms)	**35.830**	**28.739**	35.074
Normalized	80.21%	100%	81.94%
Standard Deviation	30.2%	20.5%	31.5%

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speedtest-cli 2.1.3
Internet Download Speed
Mbit/s, More Is Better
A
SE +/- 2.35, N = 15
44.35
B
SE +/- 1.90, N = 12
54.57
C
SE +/- 2.87, N = 12
42.78
12
24
36
48
60
speedtest-cli 2.1.3
Internet Upload Speed
Mbit/s, More Is Better
A
SE +/- 0.09, N = 15
2.21
B
SE +/- 0.12, N = 12
2.38
C
SE +/- 0.11, N = 12
2.08
0.5355
1.071
1.6065
2.142
2.6775
speedtest-cli 2.1.3
Internet Latency
ms, Fewer Is Better
A
SE +/- 2.79, N = 15
35.83
B
SE +/- 1.70, N = 12
28.74
C
SE +/- 3.19, N = 12
35.07
8
16
24
32
40

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These geometric means are based upon test groupings / test suites for this result file.



Geometric mean based upon tests: pts/fast-cli and pts/speedtest-cli

This file was automatically generated via the Phoronix Test Suite benchmarking software on Thursday, 28 March 2024 10:21.